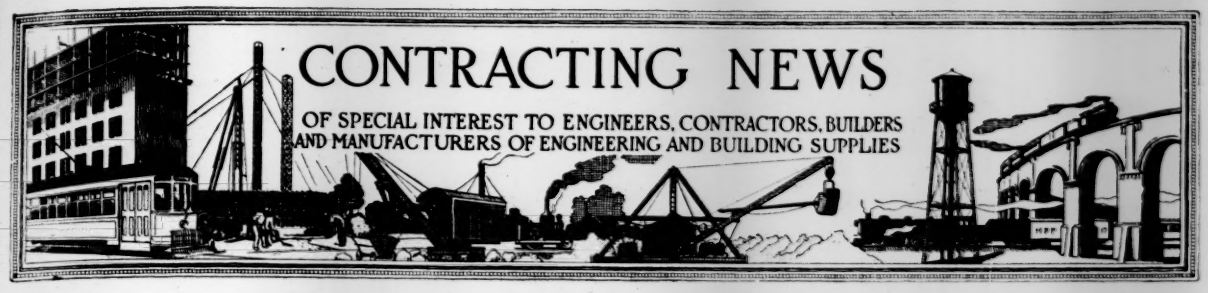
CONTRACTING NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

Proposals

For Proposals Advertised See Pages 51 to 53 Inclusive

WATER-WORKS

Bids Close		See Eng. News-Record
Nov. 16.	Winnipeg, Man.	Nov. 8
Nov. 19.	Tulsa, Okla.	Nov. 15
Nov. 19.	Wooster, O.	Nov. 8
Nov. 20.	Charleston, Miss.	Nov. 8
Nov. 26.	Euclid, O.	Nov. 8
Nov. 26.	Winnipeg, Man.	Nov. 8
Nov. 26.	Winnipeg, Man.	Nov. 15
Nov. 26.	York Twp., Ont.	Nov. 15
Nov. 27.	Akron, Ohio	Nov. 15
Dec. 3.	Winnipeg, Man.	Nov. 8

SEWERS

Nov. 16.	New York, N. Y.	Nov. 8
Nov. 17.	Appleton, Wis.	Nov. 8
Nov. 19.	Brainerd, Minn.	Nov. 1
Nov. 19.	Lincoln, Neb.	Nov. 15
Nov. 23.	Independence, Mo.	Nov. 8
Nov. 26.	Oil City, Pa.	Nov. 1

BRIDGES

Nov. 17.	Charleston, S. C.	Nov. 1
Nov. 17.	Bowling Green, Mo.	Nov. 8
Nov. 19.	Bartlesville, Okla.	Nov. 15
Nov. 19.	Charleston, S. C. Adv. Nov. 8.	Nov. 8
Nov. 27.	Milford, Del.	Nov. 15
Dec. 1.	Dayton, Ohio	Nov. 15
Dec. 4.	West Palm Beach, Fla.	Nov. 8
Dec. 10.	St. Augustine, Fla.	Nov. 15

STREETS AND ROADS

Nov. 17.	Indiana	Nov. 8
Nov. 17.	Knoxville, Tenn.	Nov. 15
Nov. 19.	Seattle, Wash.	Nov. 1
Nov. 19.	Brewton, Ala.	Nov. 1
Nov. 19.	St. Paul, Minn.	Nov. 15
Nov. 20.	Holdredge, Neb.	Nov. 1
Nov. 22.	Hindman, Ky.	Oct. 25
Nov. 23.	Kendallville, Ind.	Oct. 25
Nov. 24.	Charleston, W. Va.	Nov. 8
Nov. 27.	Rogersville, Tenn.	Nov. 15
Nov. 27.	Bayonne, N. J.	Nov. 15
Dec. 1.	Columbus, Ohio	Nov. 15
Dec. 3.	Scottsboro, Ala.	Nov. 15
Dec. 4.	Tuscumbia, Ala.	Nov. 8
Dec. 4.	Columbus, Neb.	Nov. 15
Dec. 5.	Red Wing, Minn.	Nov. 15

EXCAVATION AND DREDGING

Nov. 20.	Chatham Twp., Ont.	Nov. 15
Nov. 21.	Pipestone, Minn.	Nov. 15
Nov. 21.	Anoka, Minn.	Nov. 15
Nov. 22.	Glenwood, Minn.	Nov. 8
Nov. 22.	Memphis, Mo.	Nov. 8
Nov. 24.	Buffalo, Minn.	Nov. 15
Nov. 26.	Havana, Ill.	Nov. 15
Nov. 27.	Mankato, Minn.	Nov. 15
Dec. 1.	Barstow, Tex.	Nov. 15
Dec. 4.	Salina, Kan.	Nov. 15
Dec. 6.	Marion, O. Adv. Nov. 8.	Nov. 8

Bids Close		See Eng. News-Record

BUILDINGS

Nov. 18.	Storrs (Eagleville P. O.) Conn.	Nov. 15
Nov. 19.	Johnstown, Pa.	Nov. 15
Nov. 19.	Cleveland, Ohio	Nov. 15
Nov. 19.	Hartford, Conn.	Nov. 15
Nov. 20.	Barrie, Ont.	Nov. 15
Nov. 20.	Pleasant Plain, Ia.	Nov. 8
Nov. 22.	Owensboro, Ky.	Nov. 15
Nov. 25.	Middletown, Mass.	Oct. 4
Nov. 27.	Harrisburg, Pa.	Nov. 15
Nov. 30.	Strahan, Ia.	Nov. 15
Dec. 1.	Norfolk, Va.	Sept. 13
Dec. 1.	Glenville, W. Va.	Nov. 8
Dec. 3.	Olympia, Wash.	Nov. 15

FEDERAL GOVERNMENT WORK

Nov. 19.	Fitting out Cranes—Washington, D. C.	Oct. 18
Nov. 19.	Shipbuilding Ways — Brooklyn, N. Y.	Oct. 25
Nov. 19.	Electric Elevator—Norfolk, Va.	Nov. 1
Nov. 19.	Refrigerating Plant and Brine Circulating System—Washington, D. C.	Nov. 1
Nov. 19.	Timber Bulkheads, Boston, Mass.	Nov. 1
Nov. 19.	Filling—Key West, Fla.	Nov. 8
Nov. 19.	Dredging—San Francisco, Cal.	Nov. 15
Nov. 20.	Bridge—Washington, D. C.	Nov. 1
Nov. 20.	Post Office—Caribou, Me.	Oct. 18
Nov. 22.	Post Office—Basin, Wyo.	Oct. 25
Nov. 22.	Steel Pipe—San Francisco, Cal.	Nov. 15
Nov. 23.	Changes to Custom House —Boston, Mass.	Nov. 15
Nov. 23.	Post Office — Woodbury, N. J.	Oct. 25
Nov. 26.	Dry Dock Crane, Wash., D. C.	Oct. 25
Nov. 26.	Steel Towers—Washington, D. C.	Nov. 1
Nov. 26.	Electric Duct System — Charleston, W. Va.	Nov. 8
Nov. 26.	Radio Building—New Orleans, La.	Nov. 8
Nov. 26.	Reservoir — Philadelphia, Pa.	Nov. 8
Nov. 26.	Electric Generating System, Ft. Stanton, N. M. Adv. Nov. 8.	Nov. 8
Nov. 26.	Power Plant Improvements —Charleston, S. C.	Nov. 15
Nov. 26.	Addition to Boiler Shop—Mare Island (Vallejo P. O.) Cal.	Nov. 15
Nov. 27.	Post Office—Chapel Hill, N. C.	Oct. 25
Nov. 27.	Stone—New Orleans, La. Adv. Nov. 1 and 8.	Nov. 1
Nov. 28.	Post Office — Bellefourche, S. D.	Oct. 11
Nov. 29.	Post Office—McLeansboro, Ill.	Nov. 15
Nov. 30.	Post Office—Buffalo, Wyo. Adv. Nov. 1.	Nov. 1
Nov. 30.	Machinery, etc. — Cincinnati, O. Adv. Nov. 1 and 8.	Nov. 1
Dec. 3.	Incinerator — Mare Island (Vallejo P. O.) Cal.	Nov. 15
Dec. 5.	Post Office—Decatur, Ala.	Nov. 1
Dec. 5.	Bulkhead — New Orleans, La.	Nov. 8
Dec. 10.	Foam Fire Protection — Guantanoma, Cuba	Nov. 8
Dec. 10.	Heating System — Phila., Pa.	Nov. 15
Dec. 17.	Post Office—Denton, Tex.	Nov. 8
Dec. 18.	Laterals — Torrington, Wyo.	Nov. 1

Where name of official is not given, inquiries should be addressed to City Clerk, County Clerk or corresponding official.

WATER-WORKS

Proposed Work

N. J., Wharton — Boro voted $110,000 bonds to build water-works. Noted Oct. 11.

Pa., Phila.—City plans to rebuild Hartwell Ave. water-pipe line feeding Mt. Airy and section Chestnut Hill. About $100,000. C. E. Davis, city engr.

N. C., Leaksville—City plans to build water-works and sewerage systems. J. N. Ambler, Durham, engr.

S. C., Columbia—City plans to install one 3,000,000 gal. and two 5,000,000 gal. electrically-driven pumps with necessary equipment at water-works. About $30,000. F. C. Wyse, city engr.

La., Bossier City—City having plans prepared by Honaker & Swope, engrs., Shreveport, for water system, including 4- and 8-in. pipe, 1 electrical and 1 oil pipe, 50,000-gal. reservoir and 1 well. About $30,000. Noted May 10.

Ky., Irvine—Estill Water & Gas Co. plans to build water-works. About $25,000. H. L. Leete, engr. and supt.

Ky., Lawrenceburg — (Official) — City voted $15,000 bonds to build filtration plant. Noted Oct. 4.

O., Hamilton—City had plans prepared by State Bd. Health, Columbus, drilling 3 new 10-in. tubular wells, 152 ft. each, and installing new piping at well basin. About $16,000. F. E. Weaver, city engr.

Ind., South Bend—City plans to install 225,000-gal. reservoir. F. J. Anderson, city engr.

Ill., Cicero—Town plans to build water-works. About $31,850. J. Monkreig, town engr.

Ill., Quincy—City plans to improve water-works, including new standpipe. About $250,000. E. R. Chatten, city engr.

Wis., Milwaukee — City plans to build water purification plant. About $30,000. G. Staal, city engr.

Wis., New Richmond—City plans to improve water-works. Address J. E. Hughes.

Ia., Keokuk—City plans to install new machinery in water-works. About $16,000.

Kan., Junction City—City plans to issue $28,940 bonds to improve water-works. T. W. Dorn, clk.

Kan., La Crosse—City voted $22,000 bonds to build water-works. Noted Sept. 27.

Kan., McCracken — City voted $12,000 bonds to build water-works. L. L. Ryan, city clk. Noted Oct. 11.

S. D., Aberdeen—City voted $125,000 bonds to improve water-works. F. Lecoq, city engr.

N. D., Belfield—City plans to build water-works. About $30,000.

Mont., Geraldine — City voted $31,500 bonds to build water-works. Noted Sept. 20.

Tex., El Paso—City voted $100,000 bonds to improve water-works. J. N. Gladding, city engr.

Okla., Hunter—(Official)—Town defeated $26,000 bonds to build water-works. Noted Oct. 4.

Okla., Ponca City—City voted $20,000 bonds to improve water-works. G. G O'Neill, supt. Noted Oct. 11.

Water-Works (Continued)

Colo., Sterling—City having plans prepared by A. A. Weiland, engr., Pueblo, improving water-works. Noted June 14.

Ore., Albany—City plans election in December to vote on $400,000 bond issue to improve water-works.

Ore., Richland—(Official) — City postponed indefinitely building water-works, owing to advance in price of materials. Noted Oct. 25.

Cal., Delano—City voted $45,000 bonds to build water-works.

Cal., El Centro — City voted $50,000 bonds to build filtration and purifying plant. Noted Sept. 27.

B. C., Delta—City plans to install electric pump and pump-house in East Delta. About $12,000. N. A. McDiarmid, city engr.

BIDS DESIRED

Okla., Tulsa—Until Nov. 19, by F. Newkirk, city aud., for 7200 ft. 24-in. c.-i. pipe. E. M. Stevens, 708 Ridge Bldg., Kansas City, Mo., engr. Noted Oct. 18.

Ont., York Township—(Official)—Until Nov. 26, by F. Barber, twp. engr., 40 Jarvis St., Toronto, trenching and laying water mains in Lauder and Glenholme Aves.

Man., Winnipeg—Until Nov. 26, by Greater Winnipeg Water Dist., for Contr. No. 56, building tunnel, shafts and well, at Red River crossing; Contr. No. 35, building gate house and intake at Waugh. W. G. Chace, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Lynn**—General Electric Co., 920 Western Ave., let contract building reservoir to Simpson Bros. Co., 166 Devonshire St., Boston.

N. Y., New York—(Official)—Bd. Water Supply, Municipal Bldg., let contract Shandaken tunnel, to Degnon Contg. Co., 68 Hunter's Point Ave., Long Island City, $12,138,738. Noted Oct. 4.

O., Akron—(Official)—City received low bids, Contr. No. 91, laying water pipe in Cuyahoga Falls Ave., Berwin, Camden, and Dayton Sts., from T. E. McShaffrey, 130 South College St.; P. Agrios, Akron, and F. Manalla, Kenmore.

★**O., Akron**—(Official)—City let contract building elevated steel water tank, to Chicago Bridge & Iron Wks., 37 West Van-Buren St., Chicago, $30,500. Noted Oct. 4.

★**O., Willoughby** — Village let contract building water-works, to Freshwater & Haffey, Willoughby, $44,946.

★**Kan., Winfield**—City let contract for 20,000 ft. 14-18 in. c.i. pipe, to Amer. Cast Iron Pipe Co., 716 Scarritt Bldg., Kansas City, Mo., $59,868.

★**S. D., Ardmore**—City let contract building water-works to A. C. Evans, Sheridan, Wyo., about $400,000.

★**Cal., Bay Point**—Bay Point Light & Water Co. let contract building reservoir to Lindgren & Co., Monadnock Bldg., San Francisco.

SEWERS

Proposed Work

Conn., Torrington—Boro. having plans prepared by C. A. Patterson, engr., c/o C. B. Elkvall, boro. clk., building outfall sewers. About $25,000.

Pa., Ellwood City—City having plans prepared by R. W. Pratt, engr., 708 Hippodrome Bldg., Cleveland, installing trunk sewers and sewage disposal plant. About $116,000.

Pa., Parnassus—Boro. had plans prepared by State Health Dept., Harrisburg, building sanitary sewerage system, intercepting sewers, sewage pumping station and sewage-treatment plant.

Pa., Reading—City had plans prepared by State Health Dept., Harrisburg, building sanitary sewers in Dist. No. 14; also for trunk sewer. W. H. Dechant, city engr.

W. Va., Martinsburg—City having plans prepared by T. Sparrow, engr., c/o P. W. Leighter, mayor, building storm sewers. About $25,000. Noted May 10.

N. C., Leaksville—See "Water-Works."

Fla., St. Petersburg—City to sell $30,000 bonds Nov. 20 to extend sewerage system. W. J. Overman, dir. pub. wks.

Tenn., Winchester—City voted $10,000 bonds to improve sewerage system.

O., Cincinnati—(Official) — City defeated $500,000 bond issue to build sewers. Noted Oct. 4.

O., Cleveland—(Official)—City voted $3,000,000 bonds to build sewers. R. Hoffman, city engr. Noted Nov. 1.

O., Columbus—See "Streets and Roads."

O., Elyria—City plans to build sewers in Dist. No. 3, Dilworth St. from Gulf to Harwood Sts., and on Harwood St. from Caroline St. to north line of Dilworth Allotment. C. M. Theobald, city engr. Noted Sept. 27.

O., Lima—City voted $155,000 bonds to build relief sewers. C. Bryson, city engr. Noted Oct. 4.

O., Marion—City plans to build sanitary sewer on Edwards St. from Silver St. to south end. H. H. Noyes, city engr.

O., Rocky River—Village lets contract about Nov. 30, building sewerage system and sewage disposal plant. About $90,000. R. W. Pratt, Hippodrome Bldg., Cleveland, engr. Noted Oct. 11.

Mich., Royal Oak—Village plans sewers on 7th, Knowles, 6th, East Harrison, and Hudson Sts.

Ill., Bradley—Village soon lets contract building sewerage system. About $175,000. Marr-Green Co., 17 South La Salle St., Chicago, engrs. Noted Oct. 18.

Ill., Granite City—City having plans prepared by E. Hall, engr., for lateral sewers. About $120,000.

Ill., Rock Island—Council passed ordinance to build 10-in. sewer drain in 9th St., from 34th to 45th Aves. About $13,797. W. Treichler, city engr.

Wis., Appleton—(Official)—City rejected bids opened Nov. 2 building sewers in various streets. Noted Oct. 25.

Wis., Wingra—City having plans prepared building sewers in Wingra Sewerage Dist. O. S. Norsman, clk.

Kan., Pittsburg—City defeated $75,000 bonds to build sewers. Noted Sept. 6.

Neb., Valparaiso—City plans to build sewerage system.

Mo., Macon — (Official) — City having plans prepared by F. L. Wilcox, engr., Syndicate Trust Bldg., St. Louis, for sewage disposal plant.

Mo., Kansas City—City having plans prepared for Blue River sanitary sewer. About $750,000. A. G. Ludlow, c/o Bd. Pub. Wks., engr.

Okla., Oklahoma — City plans storm sewers in 5 districts and sanitary sewers in 1 district, concrete or vitr. pipe. About $50,000. B. M. Hart, city engr.

Okla., Okmulgee—See "Water-Works."

Okla., Tulsa—City soon lets contract for 60 x 115-ft. intake. E. M. Stevens, 701 Ridge Bldg., Kansas City, Mo., engr. Noted July 26.

Colo., Arvada—City election soon to vote on bond issue to build sewerage system. J. Lercher, supt.

Wash., Bremerton—City plans to build sanitary sewers in Warren St. About $12,000.

N. S., New Glasgow—Town plans to build sewers on Water, Church and Front Sts. About $60,000. E. S. Frase, engr.

BIDS DESIRED

Neb., Lincoln—Until Nov. 19, by H. Berg, city clk., building 24-in. sanitary sewer from 20th and Vine Sts. to Salt Creek along west bank of Antelope Creek. About $13,900. A. Dobson, city engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Altamont**—(Official)——City let contract building sewerage system and sewage-disposal plant, to E. B. Edgar, 729 Brandywine Ave., Schenectady, $41,000. Noted Oct. 25.

N. Y., Brooklyn—L. H. Pounds, boro. pres., received low bids Nov. 9th, building sewers in portions 39th St., from P. J. Donlon Contg. Co., 84 B'way., 121%; Kenmore Contg. Co., 6102 18th Ave., 121½%; D. Donegan Co., 5904 14th Ave., 124%. Noted Nov. 1.

★**Pa., Pittsburgh** — See "Streets and Roads."

★**N. C., Mooresville** — See "Streets and Roads."

O., Hamilton—City received low bids for sewers in East Hamilton, Dist. No. 2, from L. A. Dillon and J. L. Walker Co., 531 Court St. Cost estimated at $11,068. Noted Oct. 4.

★**O., Willoughby** — Village let contract sewerage system, to Freshwater & Haffey, Willoughby, $30,225.

★**Mich., Grand Rapids**—(Official)—City let contracts building southwest sewerage system as follows: Sects. Nos. 1 and 4, Vander-Weele Bros., $76,453; No. 2, McDermott & Cooper, $56,296; No. 3, Ver Hey & Kloet, $46,194. Noted Oct. 18.

★**Ill., Rock Island**—Cities of Rock Island and Moline let contract installing first half 46th St. storm drain to Frazer-Davis Constr. Co., St. Louis, Mo., $27,863. Noted May 24.

★**Minn., St. Paul**—(Official)—City let contract building Otto-Niles sewerage system, to O'Neil & Preston, 60 East 6th St., $90,000. Noted Nov. 1.

★**Kan., Towanda**—City let contract building sewers, to C. C. Jamison, Eldorado. About $13,000.

★**Wyo., Cheyenne** — (Official) — City let contract extending sewers from O'Neil to Dillon St., to W. J. Wilseck, 2013 Pebrican St. Noted Oct. 25.

★**Ariz., Glendale**—City let contract building sanitary sewerage system, involving 35,369 ft. 8-15 in. pipe, 52 manholes, 2 flush tanks, etc., to C. Fisher & Co., 845 North 6th St., Phoenix, $46,797. Noted Oct. 18.

★**Ariz., Phoenix**—See "Streets and Roads."

★**Ont., London**—City let contract building sewers in Florence St., W. McCracken, 481 Central Ave.; Eleanor St., Mitchell & Mohan, c/o. H. A. Brazier, city engr.; York St., J. McMurphy, 224 Queens Ave. About $18,000. Noted Nov. 1.

BRIDGES

Proposed Work

N. Y., Cohoes—City had plans prepared by W. Marden, engr., 24 James St., Albany, for bridge between Cohoes and Lansingburg. About $57,000.

Fla., Bradentown — See "Streets and Roads."

Fla., Miami—See "Streets and Roads."

Fla., West Palm Beach—See "Streets and Roads."

Mich., Detroit—(Official)—City defeated $3,000,000 bond issue to build Belle Island bridge, rein.-con. Noted Oct. 4.

Neb., Falls City—Richardson Co. election Nov. 27 to vote on $100,000 bonds to build bridges and culverts. F. J. Relf, co. engr.

BIDS DESIRED

Del., Milford—(Official)—Until Nov. 27, by Sussex Co., Georgetown, building twin 30-ft. rein.-con. bridge over Mispillion River. W. E. Hawkins, co. engr.

Fla., St. Augustine—(Official)—Until Dec. 10, by St. Johns Co. Comrs., building 2400 ft. rein.-con. bridge, with movable span in channel over Matangas River; also building 66 mi. hard surface roads, 15 ft. wide, including rein.-con. bridges and culverts. Bond election for project will probably be held in January or February.

O., Dayton—(Official)—Until Dec. 1, by Montgomery Co. Comrs., building approaches to Shoup's Bridge over Stillwater River, Harrison Twp., involving 2100 cu.yd. earth embankment, 135 cu.yd. rock excav., 320 cu.yd. gravel in roadway, 542 lin.ft. guard rail. W. H. Aszling, clk.

Okla., Bartlesville—Until Nov. 19, by Washington Co., building 7 steel bridges. About $50,000. J. C. Mitchell, clk.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Va., Richmond—City received low bid building rein.-con. viaduct over Bacon Quarter Branch and Seaboard Air Line Co.'s property, from W. P. Funsten & Co., Richmond, $74,000. Noted Oct. 18.

★**W. Va., Big Chimney**—Kanawha Co., Charleston, let contract building steel highway bridge over Elk River, near Big Chimney to Virginia Bridge & Constr. Co., $31,000. Noted Oct. 11.

Bridges (Continued)

★**Ia., Oskaloosa**—Mahaska Co. let contract building superstructures, 3 high truss bridges, to Clinton Bridge Wks., Clinton, $24,024; piers and floors, Ottumwa Supply & Constr. Co., Ottumwa, $17,700.

★**Minn., Little Falls**—(Official) — Morrison Co. let contract building Royal Mississippi River Bridge, to Minneapolis Bridge Co., 728 Metropolitan Bldg., Minneapolis, $35,890. Noted Oct. 18.

★**Kan., Oswego**—(Official)—Labette Co. let contract building 7 rein.-con. bridges, to M. E. Gillioz, Monett, Mo., $25,489. Noted Oct. 18.

★**Idaho, Challis**—Custer Co. let contract building 3 steel bridges and 41 rein.-con. culverts on Lost River Highway, between Challis and Mackay, to Missouri Valley Bridge & Iron Co., Leavenworth, Kan., $35,000.

★**Wash., Blanchard**—Skagit Co. let contract building viaduct over Great Northern R.R. tracks between Blanchard and Burlington; also ½ mi. approaches, to J. R. Wood, Seattle, $36,838.

★**Cal., Santa Barbara**—Associated Oil Co. let contract building suspension bridge over Santa Ynez River, to Mercer Fraser Co., Eureka, $25,000.

★**Que., St. Alexis**—City let contract building rein.-con. bridge, to Laberge & Dufour, St. Alexis, $14,800.

★**Ont., Galt**—Canadian Pacific Ry., let contract building rein.-con. bridge, to Sherwood Constr. Co., Ltd., Mail Bldg., Toronto, $20,000. Noted Aug. 16.

STRUCTURAL STEEL WORK

BIDS DESIRED

Okla., Bartlesville—See "Bridges."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**O., Akron**—See "Water-Works."

★**Idaho, Challis**—See "Bridges."

REINFORCED CONCRETE

Proposed Work

Mich., Detroit—See "Bridges."

Ia., Burlington—See "Industrial Works."

Colo., Grand Junction—See "Miscellaneous."

BIDS DESIRED

Del., Milford—See "Bridges."

Fla., St. Augustine—See "Bridges."

Tex., Barstow—See "Excavation and Dredging."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Va., Richmond—See "Bridges."

★**W. Va., Big Chimney**—See "Bridges."

★**Kan., Oswego**—See "Bridges."

★**Mont., Boseman**—See "Miscellaneous."

★**Idaho, Challis**—See "Bridges."

Cal., Long Beach—See "Miscellaneous."

★**Que., St. Alexis**—See "Bridges."

★**Ont., Galt**—See "Bridges."

STREETS AND ROADS

Proposed Work

New York—(Official) — State Highway Comn., 55 Lancaster St., Albany, rejected bids building 1.13 mi. Rd. No. 5217-A, Chautauqua Co., and .61 mi. Rd. No. 5590, Niagara Co. Noted Sept. 27.

N. Y., Center Moriches—Town of Brookhaven plans to improve road leading to Camp Upton from South Country Rd. at Center Moriches, crushed stone and oil-treated pavement. About $15,000. R. P. Howell, superv.

N. Y., Lowville—Lewis Co. sold $10,800 bonds to build highways. H. A. Williams, co. treas.

N. Y., Mayville—Chautauqua Co. voted $16,000 bonds to improve roads.

N. J., Camden—City plans paving River Ave. and 27th St., hard-surfaced material. L. E. Farnham, city engr.

N. J., Mount Holly—Bd. Freeholders Burlington Co. plan to pave 4 mi. highway between Wrightstown and Georgetown, bituminous macadam.

Pa., Pittsburgh—(Official)—City Council passed ordinance to pave, grade and curb Salisbury St. from Sterling to Eleanor St.; Sutherland St., from Chartiers Ave., to Jean St.; North Homewood Ave., from Mount Vernon to Upland St.; 30th St., from Paulowna St. to Brereton Ave.; Universal St. from Chartiers Ave. to Lundy St.; Pioneer Ave. from Kenilworth Ave. to Jillson St.; Hancock St. from Dobson to 33rd St.; 38th St. from Liberty Ave. to Howley St.; Oberlin St. from Sprague St. to Lemington Ave.; Stayton St., from Woodland Ave. to Hodgkiss St.; Moyer St. from Allendale to Francisco St.; Smith Way from Boggs Ave. to Westwood St.; Tweed St. from Allendorf to Francisco St.; Edgerton Ave. from East End to Braddock Ave.; Hoffers Way from Roberts to Overhill St.; Jean St. from Fairdale to Sutherland St.; Jupiter Way from Hybla to Bainton St.; Juniata Pl. from Linden to Hastings St.; Lakewood Ave. from Lorenz Ave. to city limits; May Way from Glenn Way to Maripoe St.; Austin Way from South Rebecca to South Graham St.; Dowling St. from west angle of Hancock St. to Hancock St.; Albion St. from Hamilton Ave. to Fillance St.; Agnes Way from Hoffers Way to Linton St.; R. Swan, city engr.

Pa., Scranton — J. G. Hayes, dir. pub. wks., soon lets contract paving Boulevard Ave., from Electric to East Market St. W. A. Schunk, city engr.

N. C., Mocksville—Bd. Comrs. plan to issue $12,000 bonds to build sidewalks on portions Depot, South Main, Cherry, Salisbury, Furniture Factory, Pine and North Main Sts. and Sanford Ave., brick, block, sheet asphalt, bitulithic or bituminous concrete.

Ga., Folkston—Charlton Co. Comrs. plan $100,000 bond issue to build roads.

Fla., Bradentown—Manatee Co. plans to issue $200,000 bonds to build roads and bridges in Palmetto-Ellenton-Terra Cela-Gillete Dist. Noted Sept. 6.

Fla., Miami—Dade Co. to sell $140,000 bonds Nov. 20, to build roads and bridges. H. Crabtree, engr. Noted Sept. 6.

Fla., West Palm Beach—Palm Beach Co. voted $30,000 bonds to build roads and bridges, Lake Worth Special Rd. and Bridge Dist.

Ala., Birmingham—Bankhead Highway Assn. plans road between Birmingham and Georgia state line through Cleburne, Calhoun, Talladega, and St. Clair Cos. T. S. Flowman, Birminghom, pres.

Miss., Pascagoula—City plans to pave 3 mi. of streets. G. H. Hague, clk.

Tenn., Shelbyville—Bedford Co. plans to build about 20 mi. of Dixie Highway through county.

O., Ashland—City plans to improve and pave portions Walnut, Claremont, Miller, Pleasant and East 4th Sts., and Lincoln Way. R. R. Conn, city engr.

O., Cleveland—Cuyahoga Co. receives bids Dec. 8 for purchase of $64,995 bonds, to be used for improving So. Center Rd. No. 6.

O., Cleveland—City plans to grade, curb, and pave Independence Rd., S. E., from Fleet Ave., S. E., to city limits, brick on concrete foundation; West 7th Pl. from Railway Ave., S. W., to Novak Ave., S. E., brick on concrete base; Novak Ave., S. W. from 7th St. to West 5th St., brick on concrete base. R. Hoffman, city engr.

O., Columbus—(Official)—City plans to improve, by grading, asphalt paving, draining, curbing and building sewers, Neill Ave., from Goodale St. to 5th Ave., also 2nd alley north of Long St., from 20th to 22nd Sts. H. Maetzel, city engr.

O., Jefferson—Ashtabula Co. plans to build brick road, 14 mi., between Ashtabula and Conneaut.

O., Lima—City voted $75,000 bonds to be used toward paving 30 streets. Total cost, $50,000. C. Bryson, city engr.

O., Middletown—City plans to improve roadway of Curtis Ave., from Yankee Rd. to Kunz Ave., rein.-con., also lay lead water connections to water mains, from abutting property not already supplied with such connections. W. C. Morrison, city engr.

O., Salem—Council passed ordinance to pave and grade Garfield Ave., from north end to city limits, brick. A. French, city engr.

Ind., Columbus—Bartholomew Co. will receive new bids about December, building 11,074 ft. road in Flatrock Twp., and 11,294 ft. in German Twp., gravel. W. H. Scott, aud. Noted Oct. 4.

Ind., Ft. Wayne—State Highway Comn. appropriated $73,500 to improve Lincoln Highway in Allen Co. providing county appropriates like amount. Noted Oct. 11.

Ind., Goshen—Goshen Co. sold $10,000 bonds to build road in Concord Twp.

Michigan—State Bd., Lansing, voted $35,000 to be spent on completion of military road between Detroit, Mich., and Toledo, O. Co. will appropriate $15,000 toward same.

Mich., Cadillac—(Official)—City at election Nov. 6 voted favorably on $35,000 bond issue, which together with $25,000 from assessments, etc., will be used for paving streets, brick or wood block. T. V. Stephens, city mgr.

Mich., Gladwin—Gladwin Co. plans to improve road between here and Beaverton. About $24,000 available for same.

Mich., Grand Rapids—Kent Co. Comrs. plans election to vote on $100,000 bonds to build roads.

Ill., Carroll—Carroll Co. voted $13,000 bonds to build 15 ft. concrete slab roadway. S. C. Campbell, supt.

Ill., Chicago—Cooke Co. voted favorably on $1,000,000 bond issue to improve roads. Noted Oct. 11.

Ill., Havana—Mason Co. voted $55,000 bonds to build roads.

Ill., Springfield — Sangamon Co. voted $500,000 bonds to build state and federal aid roads. Noted Sept. 27.

Wis., Ft. Atkinson—City Council plans to issue $20,000 bonds to improve streets.

Wis., Racine—City plans to pave Baline Ave. from McKenzie to Osborne St., De Koven Ave., from Main to Mead St. About $49,658. P. H. Connolly, city engr.

Ia., Marshalltown—Marshall Co. plans to surface roads with gravel. About $200,000. J. M. Brown, Albion, co. engr.

Minn., Grand Rapids—Itasca Co. plans election to vote on $1,200,000 bond issue to build roads. F. Sherman, aud.

Minn., Minneapolis—City sold $242,085 bonds to widen 9th St. from Hennepin to Nicollet Ave. F. W. Cappelin, city engr. Noted Oct. 4.

Kan., Lindsborg—City soon lets contract paving 25,176 sq.ft. A. Morrison, clk.

Mont., Hamilton—Ravalli Co., Hamilton, and Granite Co., Philisburg, will cooperate with U. S. Forest Service and build 25 mi. of roads. N. W. Blindhouse, Hamilton, engr.

Mo., Centerville—Reynolds Co. voted $100,000 bonds to build and improve roads. Noted Oct. 11.

Mo., Fulton—Callaway Co. plans election Nov. 24 to vote on $25,000 bond issue for road work.

Arkansas—State Highway Dept., Little Rock, prepared plans building 17 mi. road in Poinsett Co., Harrisburg. About $37,250.

Ark., Ft. Smith—City voted $18,000 bonds to extend roads and approaches to new bridge. Hedrick & Hedrick, Inter-State Bldg., Kansas City, Mo., engrs.

Ark., Hot Springs—City plans to pave 40,000 sq.yd. G. C. Smith, city engr.

Ark., Wynne—State Highway Dept. appropriated $12,516 for road work in Dist. No. 1, Cross Co. F. O. Cogbill, secy. co. comrs.

Tex., Columbus—Colorado Co. plans election to vote on $75,000 bonds issue to build roads.

Tex., Commerce — City voted bonds to pave all business streets.

Tex., Dickens—Comrs. Court of Dickens Co. plans election Nov. 17 to vote on $400,000 bond issue for road work.

Tex., Haskell—Haskell Co., Dist. No. 3, defeated $75,000 bonds to build roads. Noted Oct. 25.

Tex., Port Lavaca—Calhoun Co., Rd. Dist. No. 2, voted favorably, Oct. 20, on $75,000 bond issue to build and improve roads. Noted Sept. 27.

Okla., Oklahoma—City plans 100,000 yd. asphaltic concrete paving and various streets. About $250,000.

Okla., Sapulpa—Creek Co. voted $65,000 bonds to build roads in Shannon Twp.

Wash., Kelso—Cowlitz Co. having plans prepared building highway from Coal Bank Rd. to St. Helen on Toutle River. F. C. Kramer, co. engr.

Wash., Mount Vernon—Spagit Co. having plans prepared paving Olympia Marsh and Riverside Rd., 1 course concrete, 19 ft. wide. About $53,179.

Wash., Ritzville—Adams Co. Comrs. rejected bids building highway from city limits to Grant Co. line, 30 mi. Noted Oct. 4.

Streets and Roads (Continued)

Wash., Seattle—Puget Mill Co., Walker Bldg., soon lets contract grading, building sidewalks and paving streets in Westholme Addition on Faunteleroy and 35th Aves. About $100,000.

Cal., Calexico—City soon lets contract paving main streets with bitulithic on 5 in. concrete base and 2 in. top, and other streets with warrenite, 4 in. concrete, base and 1½ in. top. Following are streets to be paved:

2nd St., full width to Blair Ave., and strip 20 ft. wide in center of street from Blair to east city limits.

Imperial Ave., full width to 7th St., and strip 20 ft. wide in center of street from 7th St. to north city limits.

Heber Ave., full width from 2nd to Sherman St., to north end of high school grounds.

3rd St., widened to 56 ft. and paved full width to Mary St.

7th St., full width from Emerson to Heber St.

4th, 5th and 6th Sts. from Emerson to Imperial St.

7th St. from Imperial to Heber St., 3rd St. from Heber to Mary St.

Emerson St. full width from 3rd to 7th St.

Cal., San Diego—San Diego Co. plans to build 80 mi. scenic boulevard. W. S. Dorland, interested.

Cal., Santa Maria—City plans to pave Main St. About $30,000.

N. S., New Glasgow—City voted $11,000 bonds to extend Archimedes St.

Ont., Sandwich West Twp.—City plans to pave Front Rd., from Turkey Creek to Chappus Corners. About $27,000. C. E. Bondy, Loiselville, clk.

Ont., Winona—See "Industrial Works."

BIDS DESIRED

N. J., Bayonne—(Official) — Until Nov. 27, by city, laying concrete sidewalks on East 22nd St., from Prospect Ave. to Ave. I, involving 60,000 sq.ft. excav. W. P. Lee, clk. W. L. Clarkson, city engr.

Fla., St. Augustine—See "Bridges."

Ala., Scottsboro—Until Dec. 3, by Jackson Co. Comrs., macadamizing part State Trunk Rd., No. 4, between Woodville and Limrock, involving 9000 cu.yd. crushed stone. About $10,000. W. S. Keller, state highway engr. Noted Aug. 16.

Tenn., Knoxville—Until Nov. 17, by city, macadamizing, grading, and repaving Fremont Ave., Bway., Middlebrook Pike and Blow Ferry Rd. J. B. McCalla, city engr. Noted July 12.

Tenn., Rogersville—Until Nov. 27, by Hawkins Co. Comrs., building 6 mi. highway from Stoney Point to Stanley Valley. R. L. Williams, engr.

Ky., Owensboro—Until Nov. 22, by Fiscal Court, Daviess Co., building Graves Lane Rd., Ware, Livermore, Boonsville, Curdsville and 2 sections of Hardinsburg Rd. About $140,000. Former contract rescinded. Noted Nov. 8.

O., Columbus—Until Dec. 1, by Franklin Co. Comrs., grading and macadamizing roads in Jefferson and Mifflin Twps. J. Dunn, co. engr.

Minn., Red Wing — Until Dec. 5, by Goodhue Co., building Minnesota Federal Aid Project No. 11, involving 3 acres clearing, 3.6 acres grading, 55,887 cu.yd. side ditching, 5775 cu.yd. guard rail, etc. C. H. Meyer, co. aud.

Minn., St. Paul—Until Nov. 19, by Ramsey Co. Comrs., macadamizing Bald Eagle Lake Ave., from Buffalo St. to Taylor Ave., grading, claying and graveling Robinson Lake Rd. from New Brighton Rd. east to Hamline Ave. G. S. Ries, co. aud.

Minn., St. Paul—Until Nov. 19, by H. W. Austin, purch. agt., grading alley in block 11, Blvd. Addition, Cook St., between Duluth Ave. and water-works, Palace St., between Cleveland and Cretin Aves., James St., between Cretin and Cleveland Aves., alley in block 8, Lovering Park, and block 7, Quimby Park, Underwood Ave., between Randolph and Hartford Sts.; Juno St., between Underwood Ave. and Kipp's College Park Addition; Niles St., near Underwood Ave.; Watson St., near Underwood Ave.; Hartford Ave. near Fairview Ave. O. Claussen, city engr.

Neb., Columbus—Until Dec. 4, by City, for 29,528 sq.yd. paving. L. Gottschalk, special engr.

California—Until Nov. 26, by State Highway Dept., Sacramento, grading 8 mi. in Mendocino Co. between Willits and Gould; paving in Butte Co., between Briggs and Nelson, and in Monterey Co., between San Ardo and Lucas, 8 mi., concrete.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Rhode Island** — (Official) — State Bd. Pub. Rds., Providence, let contract building section state highway in South Kingstown, to Perrin & Cadario, Boston, Mass., $62,660. Noted Nov. 8.

★**New York**—(Official)—State Highway Comr., 55 Lancaster St., Albany, let contract building .12 mi. Rd. No. 5217-A, Chautauqua Co. to S. B. Van Wagenen, Inc., Rondout, $2767; 8 mi. Rd. No. 1315, Niagara Co., E. J. Latus, Albany, $62,560; .70 mi. Rd. No. 5547, Oneida Co., W. P. McDonald Constr. Co., Lakeland, Fla., $20,733; Rd. No. 5044, Mexico-Union Sq., Part 1, Oswego Co., F. H. Wells, Savannah, N. Y., $10,359. Noted Oct. 4.

N. Y., Brooklyn—L. H. Pounds, boro. pres., received only bid, Nov. 9, regulating, paving and repaving roadway of 54th St., from 9th Ave. to Ft. Hamilton Pkway., from Cranford Co., 52 Ninth St., $10,327. Noted Nov. 1.

★**N. Y., Buffalo**—City let contract paving Stewart and Wohlers Aves., asphalt on concrete foundation, to H. P. Burgard Co., 196 Filmore Ave., Exchange Pl., to Erie Contg. Co., Morgan Bldg. Noted Nov. 1.

★**N. Y., Buffalo**—City let contract paving Breckenridge St., sandstone on concrete base, to Erie Contg. Co., Morgan Bldg. Noted Oct. 11.

★**N. Y., Yonkers**—City let contract for curbing and building sidewalks on McLean Ave. between Central Av. and Lawton St., grading and improving 242nd St. from McLean Ave. to south city line, regulating, grading and improving Martha Ave. from McLean Ave. to city line, to W. Hopper, Yonkers. About $15,087.

N. Y., Yonkers—Bd. Contract and Supply received low bids resurfacing Central Ave. from south to north city limits, from J. E. Pawson Co., 58 Wells Ave., $16,050; J. J. Hart, 280 Nepperhan Ave., $16,991; Yonkers Contg. Co., $21,210.

N. J., Elizabeth—(Official)—Bd. Wks. received low bid repaving Cross Ave. sheet asphalt on concrete base, from Standard Bitulithic Co., Essex Bldg., Newark, $23,201; Uvalde Asphalt Paving Co., 1 Bway., New York City, $23,791; Northern Constr. Co., 665 Broad St., Newark, $23,826. Noted Nov. 1.

★**N. J., Jersey City**—City let contract paving 4420 sq.yd. on Gates Ave., asphalt on concrete base, also 550 sq.yd. Belgian blocks, on concrete base, together with curbing, grading, etc., to W. T. Crichfield, 2 Green St. Noted Nov. 1.

★**N. J., Newark**—(Official)—City let contract paving North 6th, Geneva and North Canal Sts., to Newark Paving Co., 133 1st St., $33,831, $10,382 and $15,235 respectively. Noted Oct. 4.

★**N. J. Newark**—Bd. Pub. Wks. let contract paving Renner Ave., bitulithic, to Standard Bitulithic Co., 31 Clinton St. About $26,861. Noted Oct. 25.

★**N. J., West Orange**—(Official)—City let contract paving portion Valley Rd., to T. G. Schriver, 28 Boyden St., East Orange, $10,523. Noted Oct. 18.

Pennsylvania — (Official) — State Highway Comn., Harrisburg, received low bids for 7857 ft. vitr. block pavement, Cornplanter Twp., Venango Co., from J. E. Richey, S. W. Cramer and J. McSnow, Franklin, $52,888; Keystone Constr. Co., Meadville, $68,178; C. E. Wood, Inc., Albany, N. Y., $82,853; 21,426 ft. State Highway Route 246, Alleghany Co., from R. Swan Co., Jenkins Arcade, Pittsburgh, $221,206; Donald McNeil Co., Jenkins Arcade, Pittsburgh, $161,977; 39,340 ft. State Highway Route 269, Lincoln and Jenner Twps. and Jennertown Boro., from D. E. Keller, Somerset, $294,827; Donald McNeil Co., Jenkins Arcade, Pittsburgh, $345,564. Noted Oct. 18.

★**Pa., Pittsburgh**—City let contract grading, paving, curbing and building sewers in various streets to Neelan & Daly, 214 Fitzsimmons Bldg., $10,197; T. Cronin, South 17th and Muriel Sts., $10,317; C. Donatelli, 1313 Collier St., $15,863.

★**Md., Towson**—Baltimore Co. let contract improving Viaduct Rd., to W. H. Thompson, Relay, Md.

★**N. C., Mooresville** — City let contract improving several streets, involving 13,000 sq.yd. paving, 2 mi. sidewalks, grading, curbing, and building storm sewers, to R. M. Hudson Co., Concord, as follows: Excav., 49c. per cu.yd., 4 in. concrete foundation, 85c. per sq.yd., sheet asphalt wearing surface, 1½ in. binder, 1½ in. top, using oil asphalt, 5 year guaranteed, $1.19 per sq.yd.

★**S. C., Charleston**—(Official)—City let contract paving 8500 sq.yd. concrete, to General Road & Drainage Constr. Co., 4 Broad St., $1.815 per sq.yd. Noted Oct. 4.

★**Fla., Tampa**—Hillsborough Co. Comrs. let contract building roads through Pasco, Polk, Manatee and Pinellas Cos., including 35.32 mi. brick road, 9 ft. wide; 20.36 mi. asphalt block road, 15 ft. wide; also several bridges, to Davis & Webb, Tampa. About $860,616. Noted Oct. 4.

★**Ky., Owensboro**—Davies Co. let contract paving several roads, to M. G. Moore, $24,708.

★**O., Napoleon**—Henry Co. let contract paving 8½ mi. macadam-bound road, to K. A. Westrick, Holgate. About $83,000.

★**Indiana**—(Official)—Bd. Co. Comrs. let contract building roads as follows:

Marion Co., Indianapolis, building and improving Southeastern Ave., Warren Twp., to E. W. Gant & Co., Greenfield, $78,400.

Marshall Co., Plymouth, building 5 gravel roads as follows: O'Connor Rd. to H. L. Short, Lakeville, $9650; Thomas Rd., to H. M. Lee, Logansport, $9810. Sickmiller, Milner and Urschel Rds. to Becker Enyart Co., Fulton, $13,860, $13,350 and $32,290 respectively.

Jasper Co., Rensselaer; 2 stone roads, Marion and Barkley Twps., to A. S. Keene, Wheatfield, $11,800, and A. McCoy, Lowell, $13,885.

Harrison Co., Corydon, building 11,471 ft. road between Posey and Webster Twps. to C. J. Treece, Elizabeth, $9000. Noted Oct. 11.

★**Mich., Detroit**—City let contract grading, asphaltic concrete paving, and curbing, to Detroit Asphalt Paving Co., McGraw Bldg.; Shoemaker Ave., $25,084, Coplin Ave., $11,856; also paving various alleys to R. J. Powelson, Detroit. About $41,000.

★**Minn., Minneapolis**—Hennepin Co. let contract building Rd. No. 29, Cedar Ave., to S. K. Grocs & Son, Kansote Bldg. About $30,000.

★**Kan., Kansas City**—(Official)—Wyandotte Co. let contract repaving Kaw Valley Rd., 5½ mi., to Readsoker & Bouseman, Rosedale, Kan., $23,500. Noted Oct. 18.

★**Mo., Kansas City**—Bd. Educ. let contract paving school yard, Pacific and Tracy Sts., to Kansas City Constr. Co., Spring and Grand Aves. About $23,573.

★**Tex., Dallas**—City let contract 60,000 sq.yd. 2-in. rock asphalt paving on 5-in. concrete base, to Standard Eng. Contg. Co., 308 Interurban Bldg., $150,000.

★**Ariz., Phoenix** — City let contract to Southwestern Constr. Co. for improving 3rd St., involving 9060 sq.yd. bitulithic pavement, $1.80 per sq.yd., 4327 lin.ft. combined concrete curb and gutter, $1.15 per lin.ft.; 340 lin.ft. curb, 70c.; 145 lin.ft. curb, 70c.; 522 lin.ft. valley gutter, $1.10; 269 lin.ft. 12-in. concrete pipe, $1.35; 51 lin.ft. 16-in. concrete pipe, $1.75; 273 lin.ft. corrugated iron pipe, $3.50; 2 gutter inlets, $65 each, storm water manhole, $275, 8 standpipes, $20 each, 16 sheet metal gates, $5.50 each.

★**Wash., Colville**—Stevens Co. let contract clearing, grubbing, grading and ditching, Addy-Gifford Permanent Highway No. 1, 4½ mi., to Acorn & Son, Colville, $15,955.

★**Wash., Ephrata**—(Official)—Grant Co. Comrs. let contract surfacing 3 mi. Permanent Highway No. 10; also 2 mi. Permanent Highway No. 8A, to F. J. Cole, Warden, $10,885 and $5871 respectively. Noted Oct. 11.

★**Wash., Wapato**—City let contract paving Wapato Ave., to Washington Paving Co., L. C. Smith Bldg., Seattle, $28,588.

California — (Official) — State Highway Comn., Sacramento, received low bids building Div. 7, Route 9, Sect. "A," state highway in Los Angeles Co., from A. L. McCray, 234 West 28th St., Los Angeles, $111,251; F. Hoffman, 111 East 12th St., Long Beach, $117,275; G. R. Curtis, 2440 East 26th St., Los Angeles, $141,135; Div. 6, Route 4, Sect. "B," Fresno Co., (a) 1A asphalt wear-

Streets and Roads (Continued)

ing surface, (b) 2A asphalt wearing surface, Blanchard-Brown Co., Call Bldg., San Francisco, (a) $22,824; Worswick Street Paving Co., Union Natl. Bank Bldg., Fresno, (a) $23,775, (b) $25,677; Federal Constr. Co., Sharon Bldg., San Francisco, (a) $39,625, (b) $41,210; Div. 1, Route 1, Sect. "B," Humboldt Co., Palmer & McBryde, Hooker and Lent Bldg., San Francisco, $223,555; A. J. Fairbanks, Willits, $241,341; Bates & Borland, Oakland Bank Savings Bldg., Oakland, $283,818. Noted Oct. 25.

Cal., Long Beach—See "Miscellaneous."

★**Cal., Los Angeles**—Bd. Pub. Wks. let contract building 92,467 sq.ft. concrete pavement with warrenite surface, cement sidewalks, granite block gutters, vitr. pipe house drains, etc., in Hoover St. from 3rd to 5th St., to Bryant & Austin, 1656 Compton Ave. About $18,587.

Cal., Oakland—Alameda Co. Supervs. received low bid building Castro Valley Rd., from T. B. Russell. About $82,861. Noted Nov. 1.

★**Cal., Pasadena**—City let contract paving Holly St., including 54,800 sq.ft. concrete pavement with bitulithic surface, 14,000 sq.ft. cement sidewalks, 5700 sq.ft. concrete gutter, 2190 lin.ft. cement curbs, etc., to Bryant & Austin, Inc., 1656 Compton Ave., Los Angeles, $15,967.

Cal., San Diego—City received lowest bid Nov. 6, building 30,074 ft., 6½ and 4 in. concrete pavement, 20 ft. wide, on road from city limits to Camp Kearney, from Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., Los Angeles, $108,236. Noted Oct. 25.

RAILWAYS—STEAM & ELECTRIC

Proposed Work

New York—Empire State R.R., recently incorporated with $3,750,000 capital stock, plans to build railroad. W. Nottingham, Walnut Ave., H. S. Holden, 107 University Blk., H. S. Tenney, 820 James St., all of Syracuse, are incorporators.

Virginia — Virginia & Southwestern Ry. making surveys for line from Clinchport to Kingsport, Tenn., about 15 mi. Address W. H. Wells, ch. engr. Southern Ry., 1300 Pennsylvania Ave., Wash., D. C.

Florida — Pensacola Electric Co., West Garden St., Pensacola plans to spend $75,000 to improve its railway system. T. J. Hauton, mgr.

Ohio — Steubenville, East Liverpool & Beaver Valley Traction Co., Junction Park, Beaver Valley, Pa., recently incorporated with $4,000,000 capital stock, plans to build traction line connecting Steubenville with Pennsylvania cities. J. H. Maxwell and G. H. Faulk, Park Blvd., East Liverpool, O., and others are incorporators.

Texas—Houston & Texas Central R.R., subsidiary of Southern Pacific Texas Lines, plans to build belt line and new freight terminals in Dallas. About $1,000,000. E. B. Cushing, Houston, asst. genl. mgr.

Washington—Nitrogen Products Co., Securities Bldg., Seattle, plans to build railroad from Darrington to The Dalles, Ore., about 18 mi.

Washington—Spokane & British Columbia Ry. making surveys for railroad from Spokane to Republic, about 80 mi. F. M. Holland, Toronto, Ont., genl. mgr.

Oregon—Comn. Pub. Docks plans to extend spur line from Oregon, Washington R.R. & Navigation Co. to municipal dock at St. Johns, Portland. About $25,500. G. B. Hegardt, port engr. will prepare plans.

California — San Diego South Eastern Ry. plans to build electric railway into Mountain Empire, from Lakeside to Santa Ysabel, about 27 mi. E. J. Burns, San Diego, mgr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Illinois**—(Official)—Bryant Northwestern Ry., recently incorporated, let contract building line from Bryant to Civer, about 4½ mi., to J. Marsch, Inc., Borland Bldg., Chicago.

EXCAVATION AND DREDGING

Proposed Work

Minn., Fairmont — Ditch—Martin Co. plans to establish Judicial Ditch No. 25. About $13,500. H. J. Welte, aud.

Minn., St. Cloud—(Official) — Ditches — Stearn Co. received no bids Nov. 9, building Co. Ditches No. 42 and 43. N. Thomey, co. aud. Noted Sept. 27.

Kan., Arrington — (Kingman P. O.) — Drainage—D. D. No. 1, Kingman Co., having plans prepared by J. E. Marcellus, state drainage engr., Manhattan, for system to protect 5200 acres from overflow of Delaware River.

Mo., Carrollton — Drainage — Sugarton D.D. plans to redredge 16 mi. canal during 1918, to drain 6000 acres farming land. S. P. Sorrenson, Brunswick, engr.

BIDS DESIRED

N. J., Bayonne—See "Streets and Roads."

Ga., Athens—(Official)—Drainage—Until Nov. 16, by Beaver Dam D.D. No. 1, building 13 mi. ditch along Beaver Dam Creek to reclaim 1600 acres. About $35,732. H. H. Hampton, comr. C. M. Straham, Athens, engr.

Ill., Havana—Drainage—Until Nov. 26, by Comrs. Chautauqua Drainage & Levee Dist., Mason Co., building drainage system; Sec. 1, Illinois River Levee, involving 1,461,000 cu.yd. embankment, 138,000 cu.yd. exploration trench; Sec. 3, planting willows for levee protection on 9 mi. graded bature-berm. H. Hahn, comr.

Minn., Anoka — (Official)—Ditch—Until Nov. 21, by Anoka Co., building Co. Ditch No. 59, main ditch involves 61,495 cu.yd. excav.; Branch No. 4, 33,204 cu.yd.; Branches No. 5 and 6, 25,131 cu.yd., other branches and laterals, 62,956 cu.yd., etc. About $29,709. Noted Oct. 11.

Minn., Buffalo—Ditch—Until Nov. 24, by Wright Co., building Co. Ditch No. 34, involving 13,000 ft. 8-10 in. tile. About $14,-312. J. A. Berg, co. aud.

Minn., Mankato—Ditches—Until Nov. 27, by Blue Earth Co., building Judicial Ditch No. 21, involving 38,655 ft. 8-32 in. tile, cost, $29,835; Judicial Ditch No. 25, 21,850 ft. 6-24 in. tile, $11,995; Judicial Ditch No. 28, 17,625 ft. 8-24 in. tile, $12,711; Judicial Ditch No. 20, 53,780 ft. 8-34 in. tile, $32,-337; Judicial Ditch No. 30, 14,500 ft. 8-20 in. tile, $7081; Judicial Ditch No. 23, 19,-075 ft. 8-26 in. tile, $7262. C. L. Kennedy, co. aud.

Minn., Pipestone—Ditch—Until Nov. 21, by T. A. Bailey, aud., Pipestone Co., building Judicial Ditch No. 1, involving 475,925 cu.yd. excav., 337,350 ft. 6-32 in tile, and 50 bulkheads. About $170,608.

Minn., Red Wing — See "Streets and Roads."

Kan., Salina—Drainage—Until Dec. 4, by Bd. Supervs. D.D. No. 1, Saline Co., building system involving 87,250 cu.yd. excav., etc. P. A. Tobin, 109 North Santa Fe Ave., secy.

Tex., Barstow — (Official) — Irrigation—Until Dec. 1, by Ward Co. Irrigation Dist. No. 1, building irrigation canal with structures therein and rein.-con. dam, involving 90,000 cu.yd. excav., etc. A. H. Dunlap, engr.

Ont., Chatham—Drainage—Until Nov. 20, by Township Council, building drainage system. About $20,000. W. G. McGeorge, 153 Queen St., Chatham, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Ga., Athens**—Drainage—Clarke Co. let contract building Shoal Creek D. D. No. 2 to drain 450 acres, involving 6½ mi. ditch floating dipper dredge, to Moseley & Thompson, Atlanta. Noted Sept. 27.

★**Minn., Redwood Falls** — (Official) — Ditch—Redwood Co. let contract building Branch No. 25 of Co. Ditch No. 24, involving 16,000 ft. open ditch and 122,524 cu.yd. excav., to E. D. Barr, Herman, Neb., 12c. per cu.yd. Noted Oct. 25.

★**Neb., Lincoln**—(Official)—Excavation—Peterson & Devoe, attys., Sanitary Dist. No. 1, let contract excavating new channel Salt Creek, to Martin Constr. Co., Lincoln, $0.134 per cu.yd. Noted Oct. 25.

★**Neb., Papillion**—(Official)—Drainage—Western Sarpy D.D. let contract grading work on 7¼ mi. open ditches, 2½ mi. levee in river, to Road Constr. Co., Grand Rapids, Wis. Noted Oct. 18.

★**Mont., Bozeman**—Irrigation—See "Miscellaneous."

★**Tex., Donna**—Canal—Donna Canal Co. let contract building extension to irrigating canal system, to Watts Bros., Brownsville, $100,000.

★**Cal., Sacramento**—See "Miscellaneous."

INDUSTRIAL WORKS

Proposed Work

Conn., New Britain—Landers, Frary & Clark, 47 Center St., soon lets contract 1-story, 50 x 317 ft. addition to factory, Elm and Commercial Sts. About $25,000. Unkelbach & Perry, 16 Main St., archts.

N. Y., Brooklyn — L. Beer Estate, 149 Remsen St., had plans prepared by W. Debus, archt., 86 Cedar St., New York City, 1-story, 110 x 219 ft. garage. About $30,000.

N. Y., Brooklyn—Foster Impvt. Co., 2027 Douglas St., had plans prepared by S. Millman & Son, archts., 1780 Pitkin Ave., 1-story, 90 x 105 ft. garage. About $25,000. S. Berenstein, pres.

N. Y., Brooklyn—A. King, 59 West St., New York City, having plans prepared by C. P. Cannella, archt., 1163 Herkimer St., 1-story, 121 x 132-ft. garage, Flushing and Waverly Aves. About $30,000.

N. Y., Buffalo — Amsterdam Radiator Co. had plans prepared by Austin Co., 14230 Euclid Ave., Cleveland, O., 1-story, 120 x 200-ft. foundry. About $50,000. H. E. Kies, 1807 Elmwood Ave., genl. mgr.

N. Y., Buffalo—Niagara Macaroni Co. had plans prepared for 3-story, 75 x 115-ft. brick factory, Niagara and Carolina Sts. About $40,000. P. Cimini, 47 Niagara St., archt.

N. Y., Hudson — Gifford-Wood Co. had plans prepared 2-story, 75 x 150-ft. addition to factory. About $30,000. M. Gifford, Second Hill, pres.

N. Y., New York—Motor Starter Corp., recently incorporated with $2,000,000 capital stock, plans to build plant. Address S. McRoberts, 32 East 64th St.

N. Y., Niagara Falls—Elderfield Hartsthorn Hardware Co., 40 Falls St., had plans prepared by Wright & Kremers, archts., 407 Gluck Bldg., 1- and 2-story, 50 x 100-ft. warehouse and tin shop. About $25,000.

N. Y., Warsaw—Warsaw-Wilkinson Co. increased capital stock from $100,000 to $200,000, and plans addition to plant here.

N. J., Irvington — Pulsometer Steam Pump Co., 485 South 21st St., had plans prepared for 1-story addition to plant. About $60,000. W. J. Berow, secy.

N. J., Red Bank—Roberts Safety Water Tube Boiler Co., Oakland St., Red Bank, having plans prepared by H. D. Best, archt., 52 Vanderbilt Ave., New York City, 1- and 2-story, 80 x 140-ft. addition to factory and 80 x 140-ft. addition to office.

Pa., Phila.—W. S. Barnes & Co., 1614 Cherry St., plans to build power house in Frankford Sect. About $75,000.

Pa., Phila.—J. D. Scott, 46th and Ludlow Sts., plans to build garage. About $29,000.

Pa., Phila.—S. Sklaroff & Son, 712 South 2nd St., soon lets contract 6-story, 22 x 45-ft. addition to storage warehouse. F. E. Hahn, 112 Chestnut St., archt.

Pa., Phila.—Westmoreland Chemical & Color Co., c/o M. Burch, 925 Chestnut St., having plans prepared 3-story, 42 x 71-ft. and 46 x 48-ft. addition to factory, 22nd and Allegheny Sts. About $25,000.

Pa., Williamsport—F. F. Gramlich having plans prepared by Bartberger & Fisher, archts., Westinghouse Bldg., Pittsburgh, 3-story, 79 x 135-ft. bakery. About $60,000.

Pa., Williamsport — Smith Printing Co., 228 Pine St., had plans prepared 3-story, 70 x 90-ft. printing plant, West 3rd and Laurel Sts. H. Smith, pres.

Pa., Williamsport—United States Rubber Co. having plans prepared for 5-story addition to factory here.

Va., Berkley—Guardian Motor Co., c/o B. C. Bownell, Norfolk, plans 1-story, 100 x 150-ft. auto factory. About $75,000. R. D. Mitchell, Paul Gale Greenwood Bldg., Norfolk, archt.

Va., Newport News — W. C. West, c/o Richmond Terminal Warehouse Co., 325 North 17th St., Richmond, having plans prepared 4-story, 100 x 300-ft. storage warehouse. About $50,000.

N. C., Elkin—Chatham Mfg. Co. plans 3 and 5 story, 80 x 300 ft. factory and steam power plant. About $200,000.

Industrial Work (Continued)

O., Akron—Ohio Ware Goods Mfg. Co., has increased its capital stock from $100,000 to $500,000, and plans to build an addition to plant.

O., Bedford—Owen Tire & Rubber Co., 1900 Euclid Bldg., Cleveland, soon receives bids for 1- and 2-story factory and power house. About $125,000.

O., Cleveland—Wicklow Constr. Co., 700 Marshall Bldg., having plans prepared for 146 x 165-ft. garage, St. Clair and Ontario Sts. About $250,000.

O., Cleveland—Willard Storage Battery Co., 131st St. and St. Clair Ave., had plans prepared by E. D. Kreech, engr., for lumber and storage building. About $150,000.

O., Cleveland—Youngstown Pressed Steel Co., recently organized with $1,000,000 capital stock, purchased plant of Sharon Steel Hoop Co. and its subsidiary, Youngstown Iron & Steel Co., and plans to build addition to same. G. F. Danielson, pres.

O., Cincinnati—(Oakley)—Cincinnati Bickford Tool Co., South St., plans addition to factory here. About $40,000.

O., Columbus—Blue Valley Creamery Co., 700 South Clinton St., Chicago, plans to build factory here. About $50,000.

O., Youngstown—Youngstown Pressed Steel Co., recently organized with $1,000,000 capital stock, has taken over fabricating department of Youngstown Iron & Steel Co., Wilson Ave. and Sharon Steel Hook Co. The new company will erect new plant along more extended lines. W. W. Galbreath of General Fireproofing Co., pres.

Ind., East Chicago—George Lember Co., 154th St. and Todd Ave., will build 2-story, 5 x 143-ft. pattern shop and storage building. About $25,000. W. F. Branitsky, 64 West Randolph St., Chicago, archt.

Ind., Ft. Wayne—Supreme Motor Corp., 218 Union Bldg., Cleveland, plans 1-story, 100 x 400-ft. factory here. A. M. Allen Co., Euclid Bldg., Cleveland, O., archts.

Ind., Greencastle—Indiana Portland Cement Co., recently organized with $1,000,000 capital stock having plans prepared by F. L. Smith engr., 50 Church St., New York City, for cement factory near Greene-Castle Putnamville Highway.

Ind., Hammond—Keith Ice Equipment Co., 1353 Peoples Gas Bldg., Chicago, purchased 35-acre site here and plans to build plant.

Mich., Battle Creek—Armour Grain Co., 208 South La Salle St., Chicago, soon lets contract 5-story, 68 x 155 ft., packing house. About $200,000. M. J. Morehouse, 343 So. Dearborn St., Chicago, archt.

Mich., Detroit—Detroit, Toledo & Ironton R.R. (T. Groner, Springfield, O., ch. engr.) and Grand Trunk R.R. (H. F. Safford, Montreal, Que., ch. engr.), purchased 76-acre site in down river section and plans to build freight terminals. About $1,000,000.

Mich., Detroit—C. R. Wilson Body Co. had plans prepared by Murphy & Hanford, archts., 206 New Telegraph Bldg., for 1-story plant, involving 3 units. About $150,000.

Ill., Blue Island—American Wire Fabrics Co., 201 South La Salle St., Chicago, having plans prepared by F. D. Chase, archt., 122 South Michigan Ave., Chicago, for factory. About $200,000. C. K. Anderson, secy.

Ill., Chicago—L. Bromberg, 1337 North Oakley Ave., soon lets contract 1-story, 75 x 125-ft. garage. About $30,000. A. L. Himelblau, 179 West Washington St., archt.

Ill., Chicago—Central Waxed Paper Co., 5700 Filmore Ave., plans addition to plant. About $75,000.

Ill., Chicago—Chicago & Northwestern R.R. plans car-repair shop at Washtenaw and Austin Ave. About $25,000. W. H. Finley, Chicago, ch. engr.

Ill., Chicago—G. M. Davis Regulator Co. purchased site on 25th St. and Washtenaw Ave., and plans 1-story factory. About $75,000. F. D. Chase, Chicago, engr.

Ill., Chicago—International Harvester Co., 606 South Michigan Ave., plans 3-story factory, 2600 West 31st St. About $175,000.

Ill., Chicago—S. K. Stewart Mfg. Co. purchased site of land adjoining present works and plans addition. About $225,000. S. N. Crowen, 30 North La Salle St., archt.

Ill., East St. Louis—Durbin Automatic Train Pipe Conductor Co., Pontiac Bldg., plans 265 x 605-ft factory, Bond Ave. between 20th and 21st Sts. About $150,000.

Ill., East St. Louis—East St. Louis Chemical Co. having plans prepared by Westinghouse, Church & Kerr, archts., 37 Wall St., New York City, 2-story, 500 x 700-ft. mill and warehouse.

Wis., Appleton—Northern Boiler and Structural Wks., Appleton, soon lets contract 1-story, 100 x 150-ft. addition to machine shop. Cost between $30,000 and $40,000.

Wis., Eau Claire—United States Switch Co., Eau Claire, recently organized with $1,750,000 capital stock, soon lets contract 60 x 130-ft. forge-shop addition. T. C. Hadley, genl. mgr.

Wis., Milwaukee—Milwaukee Forge and Machine Co., 224 Lake St., purchased 5-acre site at Oklahoma Ave., Manitoba St. and Chicago Northwestern R.R., and plans 75 x 150-ft. forge shop and 65 x 100-ft. machine shop. About $100,000. G. P. Pillar, pres.

Wis., Watertown—O. Biefeld Co. soon lets contract for foundry and machine-shop addition here. About $40,000. M. Liefeld, secy.

Wis., Waupun—Libby, McNeil & Libby, Union Stock Yards, Chicago, plans 1-story, 150 x 250-ft. box factory. About $100,000.

Ia., Burlington—Murray Iron Wks. Co. plans 2-story, 77 x 105-ft. steel and rein.-con. addition to plant here.

Minn., Duluth—Zenith Furnace Co., 58th Ave., West Duluth, plans to build machine shop and storage building. About $50,000.

Neb., Omaha—Myers & Laier, 424 Omaha Natl. Bank Bldg., having plans prepared by Latenser & Sons, archts., 632 Bee Bldg., 7-story, 132 x 132 ft. warehouse. About $250,000.

Neb., Omaha—Nebraska Buick Auto Co., 1912-16 Farnam St., plans 4 story addition to factory. L. Huff, mgr.

Mont., Moore—Montana Power Co., Butte, plans to build large hydro-electric power plant at foot Mystic Falls. F. M. Kear, Butte, genl. supt.

Mo., Kansas City—Atlas Cereal Co., 8th and Santa Fe Sts., plans new mill here. About $150,000.

Mo., Kansas City—Oxygen Gas Co., Traders Bldg., soon lets contract 1-story, 44 x 102-ft. factory. About $60,000. Keene & Simpson, 400 Reliance Bldg., archts.

Tex., Dallas—Perkins Dry Goods Co., 71014 Commerce St., plans 8 story factory, Commerce, Austin, Young and Market Sts. L. H. Lewis, genl. mgr.

Tex., Donna—La Blanca Sugar Co., recently incorporated with $500,000 capital stock, plans sugar mill near here. J. C. McDowell, Oil & Gas Farmers' Bank Bldg., Pittsburgh, Pa., pres.

Okla., Miami—Delta Mining Co., Kennedy Bldg., recently organized, plans concentrating plant and mill. About $75,000. W. E. Templeman, 816 Kennedy Bldg., pres.

Utah, Marysvale—Mineral Products Co. plans to rebuild potash plant, recently destroyed by fire. About $150,000. Howard S. Chappell, pres.

Wash., Seattle—Boering Aëroplane Co., Hoge Bldg., plans 2-story, 84 x 88-ft. machine shop and office building.

Wash., Seattle—Puget Sound Machinery Depot, 318 1st Ave., plans new factory here. About $1,000,000.

Wash., Seattle—Skinner & Eddy Shipbuilding Co., 1559 Railroad Ave., S., having plans prepared for 60 x 150-ft. foundry, shipways, power house and punch shops. About $1,000,000.

Wash., Tacoma—St. Paul & Tacoma Lumber Co., Tide Flats, plans to build sawmill. About $80,000.

Cal., Oakland—American Can Co., Mills Bldg., secured site of land and plans several additions to plant. About $1,000,000.

N. S., Bridgewater—Gray Marine Motor Co. plans to build plant here. About $50,000.

N. S., Comeauville—Comeau Shipbuilding Co., Ltd., plans shipbuilding plant. About $100,000. E. L. Comeau, secy.-treas.

N. S., Dartmouth—Canadian Carbonate Co., 132 Hollis St., Halifax, plans factory here. About $40,000.

N. S., New Glasgow—Nova Scotia Steel & Coal Co., Ltd., plans to build additions to factory. About $1,000,000. F. H. Crockard, genl. mgr.

N. S., Saulnierville—Acadian Shipbuilding Co. plans shipbuilding plant here. About $75,000. D. D'Entremont, Meteghan River, secy.-treas.

Que., St. Romauld—Dussault Co., Levis, had plans prepared for machine shop here. About $50,000. M. J. St. Dussault, Wolfe St., Levis, pres.

Ont., Brantford—Dominion Steel Products Co. secured site of land and plans forge addition to plant here. About $100,000.

Ont., Fergus—J. Wilson & Sons, St. Andrews St., plans sawmill. About $50,000.

Ont., Hamilton—Frost Wire Fence Co. plans to build addition to plant here. About $25,000.

Ont., Strathroy—Dominion Canners having plans prepared rebuilding 2 story factory recently destroyed by fire. About $100,000.

Ont., Temiskaming—Riordan Pulp & Paper Co., 355 Beaver Hall Sq., Montreal, plans large sulphite mill and paper plant here.

Ont., Toronto—Cluff Bros. Ammunition Co., 28 Atlantic Ave., plans to rebuild its plant recently destroyed by fire. About $200,000.

Ont., Whitby—United Rubber Mfg. Co. plans to build factory here. About $50,000.

Man., St. Boniface—Armour & Co., Union Stock Yards, Chicago, Ill., plans to build new meat-packing plant here. About $4,000,000.

B. C., Prince Rupert—S. E. Landry, Vancouver, plans large shipbuilding plant here. About $250,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—Adams Express Co., 61 Bway., let contract 1-story, 50 x 150-ft., and 21 x 100 ft. transportation building, to J. O'Dell Whitenack, 231 West 18th St., $70,000.

★**N. Y., New York**—New Jersey Zinc Co., 55 Wall St., let contract for laboratory, to H. M. Krumbhaar, 68 William St., $200,000.

★**N. Y., Rochester**—Bridgeford Machine Tool Co., Winton Rd., let contract building addition to factory, to Crowell, Lundoff & Little, Museum Bldg., Cleveland, O., about $50,000.

★**N. J., Fords**—National Synthetic Co., Fords, let contract 1- and 2-story, 38 x 260-ft., 54 x 84-ft., and 50 x 76-ft. additions, to Tullis & Blanchard, 326 East 42nd St., New York City, $75,000.

★**N. J., Newark**—Art Metal Wks., 7 Mulberry St., let contract addition to factory to W. Nairn, 207 Maple Ave., Kearney, $25,000.

★**N. J., Newark**—Ferry Hat Mfg. Co., 329 North 5th St., let contract 3-story, 37 x 120-ft. addition to plant, to Miller & Sons Co., 441 East Orange St. About $33,000.

★**Pa., Eddystone**—Baldwin Locomotive Works, 500 North Broad St., Phila., let contract 1-story, brick, steel and concrete erecting shop at local plant, to F. W. Mark Constr. Co., Finance Bldg., Phila. About $500,000.

★**Pa., Erie**—Erie Forge & Mfg. Co., 15th and Cascade Sts., let contract factory outside of city limits, to J. R. Gloyd, Hippodrome Bldg., Cleveland. About $2,000,000 Noted Nov. 8.

★**Pa., Phila.**—White Motor Car Co., 842 East 79th St., Cleveland, let contract 1- and 2-story, 210 x 270-ft. auto service building, 20th and Erie Ave., to F. Shoemaker, Juniper and Walnut Sts. About $300,000. Noted Oct. 18.

★**Pa., Phila.**—W. T. White, 20th and Erie Aves., let contract 1-story, 215 x 253-ft. machine shop to Watson Eng. Co., 216 North Broad St., $130,000.

★**Md., Baltimore**—Bartlett-Hayward Co., Scott and McHenry Sts., let contract 1-story, 160 x 380-ft. factory, Gunpowder and Hamburg Sts., to Morrow Bros., 1201 Fidelity Bldg., $79,500.

★**Md., Baltimore**—Chesapeake Iron Wks., Westport, let contract, 1-story, 40 x 210 ft. erecting shop, to B. F. Bennett Bldg. Co., 123 South Howard St., about $150,000. Noted Nov. 8.

★**Md., Baltimore**—Poole Eng. Co., West of N. C. Ry. and north of Padonia Sta., let contract 150 x 500 ft. gun factory, to H. D. Watts Co., Garrett Bldg. About $2,000,000. Noted Oct. 11.

★**Va., Newport News**—Newport News & Hampton Ry. let contract 1-story, 40 x 100-ft. freight house, to Harwood & Moss, Sibley Bldg., $74,000.

Industrial Work (Continued)

★Va., **Richmond**—Kingan & Co. let contract 2-story packing plant to J. T. Wilson & Co., 22nd and Cary St. About $70,000. Noted Aug. 30.

★O., **Cleveland**—Parish & Bingham Co., West 106th St. and Madison Ave., let contract machine shop, dye and storage buildings, to W. I. Thompson & Son Co., 6110 Euclid Ave., $100,000.

★O., **Cleveland** — Pipe Machinery Co., 4907 Mead Ave., let contract 1-story, 60 x 100-ft. brick factory, Mead and Mumford Sts., to W. Dunbar Co., 8201 Cedar Ave., $30,000. Noted Nov. 8.

★O., **Niles** — Engel Niles Aircraft Co., Niles, let contract factory, to Hunkin Conkey Constr. Co., Cuyahoga Bldg., Cleveland, $30,000.

★Mich., **Detroit** — Wells Fargo Express Co., 612 Ford Bldg., let contract 2-story, 116 x 130 ft.-warehouse, to I. Misch Constr. Co., 701 East Grand Blvd.

★Ill., **Champaign**—Illinois Central R.R., 135 East 11th St., Chicago, let contract 1- and 2-story, 30 x 47 ft. and 40 x 253 ft. freight depot and boiler room, to A. W. Stoolman, 212 East Armory St., $50,000.

★Ill., **Chicago** — D. C. Cook, 15 East Washington St., let contract 5-story factory and warehouse, Michigan and South Water Sts., to E. L. Archibald Co., 11 West Washington St., $100,000.

★Wis., **Madison**—Four Lakes Ordnance Co., organized by interests owning Steinle Turret Machine Co., 2305 Waubesa St., let contract 1-story, 150 x 500-ft. steel, brick and rein.-con. factory, to Austin Co., 14230 Euclid Ave., Cleveland, O. Noted Nov. 8.

★Mo., **Kansas City** — Belfast Co., Inc., c/o W. S. Dickey, New York Life Bldg., let contract 1-story, 96 x 912 ft. warehouse, to Smith & Wodling, 302 Reliance Bldg., $40,000.

★Colo., **Rocky Ford**—American Beet Sugar Co. let contract for factory to C. A. Dalgren, La Junta, $60,000.

★Que., **Cap de Madeleine**—Canada Steamship Lines, 9 Victoria Sq., Montreal, let contract building 2 shipyards to England Constr. Co., $100,000. Noted Nov. 1.

★Que., **Montreal**—A. R. Whittall Can Co., Ltd., 740 Mullins St., let contract addition to factory. E. Carrigan, 318 Ballantyne Ave., N. About $25,000.

★Ont., **Hamilton**—Frost Wire Fence Co., Sherman Ave., let contract addition to G. Frid Constr. Co., Bank of Hamilton Bldg., $25,000. Noted Nov. 15.

★Sask., **Saskatoon**—J. H. Early, 1st and 23rd Sts., let contract cold-storage plant, to A. W. Cassidy & Co., 332 1st St., N., $150,000.

BUILDINGS

Proposed Work

Mass., Boston—(Roxbury)—Hospital—B. P. O. E. plan, on Parker Hill. About $250,000.

Mass., Worcester—School—St. Peters' Church plans, 135 x 135-ft., brick, Main and Ripley Sts. About $125,000. J. W. Donahue, 476 Main St., Springfield, archt.

Conn., Hartford—Fire Headquarters — City having plans prepared by B. S. Clark, archt., 747 Main St., 3-story, 50 x 90 ft. About $100,000. H. B. Clark, pres. fire comrs.

Conn., Hartford — Jail — Hartford Co. plans, brick and steel. About $700,000.

Conn., Waterbury—Y. M. C. A. plans to build new on Old Baptist Church property. About $110,520.

N. Y., **Brooklyn**—School—Bd. Educ. plans new brick and stone addition, on Howard Ave. About $275,000.

N. Y., Hobart—High School—Bd. Educ. plans, 2-story. About $65,000.

N. Y., Kingston—Theater—S. Berenstein, 173 Pearl St. and A. Cohen, 225 Hurley Ave., representing syndicate having plans prepared by G. W. Betz, archt., 61 John St., for 2-story, 80 x 120-ft. brick and rein.-con., on Wall St. About $125,000.

N. Y., New York—Home—A. Freeman Foundation Home for Aged Men and Women, having preliminary plans prepared by J. H. Freedlander, archt., 681 Fifth Ave., and H. A. Jacobs, associate archt., 320 Fifth Ave., to be built at Grand Blvd. and Concourse, 166th to 167th Sts. About $350,000. S. Untermeyer, pres.

N. Y., New York—Hospital—Beth Israel Hospital, 70 Jefferson St., having plans prepared altering 7-story apartment house, Livingston Pl. and East 17th St., to be used for hospital purposes in connection with new 16-story building, which will represent an expenditure of about $1,000,000. Present project to cost about $85,000. L. A. Abramson, 220 5th Ave., archt.

N. Y., New Rochelle — Theater — E. F. Rush, 127 West 48th St., New York City, having plans prepared by De Rose & Pereira, archts., 150 Nassau St., New York City, 2-story, terra cotta. About $150,000.

N. J., Newark—School—Bd. Educ. had plans prepared by L. Sonntag, archt., City Hall, 3-story, brick, Hawkins St. About $250,000. F. H. Somner, secy.

N. J., Orange—Hospital—New Jersey Orthopaedic Hospital, Lincoln Ave. and Frankfort St. plans. About $90,000.

N. J., Red Bank—Office—See "Industrial Works."

N. J., West New York — School — Bd. Educ. having plans prepared by W. Mayer, Jr., and E. Manahan, 711 Bergenline Ave., archts., 3-story, 115 x 190-ft. brick and terra cotta, Madison to Polk Sts. About $225,000. H. G. Auf der Heide, pres.

Pa., Altoona—Y. W. C. A. having plans prepared by J. F. Schollar, archt., Altoona Trust Bldg., 3 story, 36 x 50 ft. addition to building. About $50,000. C. T. Witherow, 1540 12th Ave., secy.

Va., Richmond—School—Union Theological Seminary, Brock and Westwood Aves., Genter Park, plans 1-story. About $50,000. Nolan & Baskerville, Travelers Insurance Bldg., archts.

Ga., Atlanta — Hospital — Scottish Rite Hospital for Crippled Children plans. About $67,500. Hentz, Reid & Adler, Atlanta, archts.

O., Akron—Hotel—Park Hotel Co., Ohio Bldg., soon lets contract, 8-story, 95 x 115 ft. About $300,000. Mills & Millspaugh Co., 2nd Natl. Bank Bldg., archts. Noted Sept. 27.

O., East Akron—High School—Bd. Educ. soon lets contract. About $250,000. T. Ralph, Ridley Cottage Pl., Akron, archt.

Wash., Seattle—Office—See "Industrial Works."

BIDS DESIRED

Conn., Hartford—School—Until Nov. 19, by Bd. Educ., 48 x 79 ft. and 34 x 84 ft. additions. About $75,000. Chilton & McMahon, 36 Pearl St., archts. Noted Sept. 13.

Conn., Storrs—(Eagleville P. O.)—Infirmary, Dining Hall, Etc.—Until Nov. 18, by State Agricultural College, 1-story, 98 x 115-ft. dining hall, 1-story, 28 x 48-ft. infirmary, and 2-story cottages. About $100,000. Unkelbach & Perry, 16 Main St., New Britain, archts. Noted Nov. 8.

Pa., Johnstown—School—Until Nov. 19, by Bd. Educ. About $1,000,000. H. F. Hornbostle, 63 William St., New York City, archt.

O. Cleveland—School — (Official) — Until Nov. 19, Bd. Educ., Rockwell Ave. and East 6th St., for addition Rice School. F. G. Hogan, dir. of schools.

Is., Straham—School—Until Nov. 30, by Bd. Educ., 2 story, 82 x 86 ft., cut stone, rein.-con. and terra cotta. About $50,000. H. H. Kayton, secy. W. F. Gernandt, 437 Keeline Bldg., archt.

Wash., Olympia—Temple—Until Dec. 3, by State Capitol Comn., Olympia. About $350,000. Wilder & White, 50 Church St., New York City, archts. Noted Oct. 11.

Ont., Barrie—Institute — Until Nov. 20, by F. Marr, secy. treas. bd. educ., for collegiate institute. Ellis & Ellis, Manning Chambers, archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—(East Boston)—School—Bd. Educ. received low bids from Murphy Constr. Co., Water St., $124,000, alternate, $122,000; J. Bowen Co., 184 Dudley St., Roxbury, $125,000, alternate, $122,000; F. G. Coburn, 294 Washington St., $128,900, alternate, $126,900.

★**Mass., Cambridge**—High and Latin School—Bd. Educ. let contract addition, to J. B. Bryne, Inc., 162 Syndey St., Cambridge, $54,947. Noted Sept. 20.

★**N. Y., Scarsdale**—School—Bd. Educ. let contract, 2-story, to Stevenson & Cameron, 37 West 25th St., New York City. About $55,000. Noted Oct. 11.

★**N. Y., Yonkers**—School—Bd. Educ. let contract 2-story, 75 x 98-ft. addition to school No. 14, to T. & C. Miller Bros., 244 Riverdale Ave., $70,000. Noted Nov. 1.

★**Pa., Ashland**—School—Bd. Educ. let contract, 1-story, to A. L. Fretz & Son, 1222 Chancellor St., Phila., $112,000.

★**Pa., Bloomsburg**—Bank and Office—Columbia Co. Trust Co. let contract, 4-story, 24 x 120-ft., to E. H. Sheets, Ritter Bldg., Huntington, W. Va.

★**O., Cleveland** — Hotel — D. M. Mayer, Peoria, Ill., let contract, 7-story, concrete, on East 9th St. to W. F. Hyde Constr. Co., 1008 Scoville Ave. About $100,000.

O., Cleveland Heights — (Warrensville P. O.)—School—Bd. Educ. received low bid from H. R. Evans & Co., 1005 Columbus Savings & Trust Bldg., Columbus; about $175,805. Noted Sept. 13.

★**Ill., Chicago** — Hospital — Comr. Pub. Wks. let contract addition, to J. Griffiths & Sons, 112 West Adams St. About $374,900.

★**Minn., Riverton**—School—Bd. Educ. let contract, 2-story, 85 x 160 ft., to J. C. Nelson & Son, 17 South 6th St., Minneapolis, $115,000. Noted June 7.

★**Kan., Abilene**—High School—Bd. Educ. let contract, 3-story, brick and rein.-con., to Otto Peterson, Salina. About $90,000. Noted Oct. 4.

★**Mo., Excelsior Springs**—Hotel—Manitoba Investment Co. let contract, 5-story, brick, terra cotta, concrete and hollow tile, to Rayburn-Laird Constr. Co., 609 Waldheim Bldg., Kansas City. $150,000.

★**P. E. I., Charlottetown**—Home—Dominion Government Hospital Comn. let contract Soldiers' Convalescent Home, to E. E. Parkman & Son, 13 Euston St., $130,000.

★**Que., Ste Anne de Bellevue**—Hospital—Military Hospitals Comn., Drummond Bldg., Montreal, let contract to E. G. M. Cape & Co., Ltd., 10 Cathcart St., Montreal, $200,000. Noted Oct. 11.

★**B. C., Vancouver** — Depot — Canadian Northern Ry. let contract, to Northern Constr. Co., Ltd., 606 Union Bank Bldg., Winnipeg, Man. About $1,000,000.

FEDERAL GOVERNMENT WORK

Proposed Work

N. J., Little Silver — Buildings — War Dept., Signal Corps, Wash., D. C., soon lets contract for buildings in connection with additional supply depot, Camp Alfred Vail. About $250,000.

Pa., Ft. Mifflin—Buildings—Bureau Yards and Docks, Navy Dept., Wash., plans to build addition to Building No. 62, also new steel building; Specification No. 2704. About $15,000.

Colo., Towaoc—Bridge — C. Wells, comr. Indian Affairs, Wash., D. C., rejected bids opened Nov. 6, building highway bridge, Ute Mountain Indian Reservation. Noted Oct. 18.

Cal., San Diego—Buildings—War Dept., Signal Corps, Wash., D. C., soon lets contract for buildings at Rockwell Aviation Field.

BIDS DESIRED

Pa., Phila.—Heating System—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., installing heating system in foundry. About $50,000.

S. C., Charleston—Power Plant Improvements—Until Nov. 26, by Bureau Yards and Docks, Navy Dept., Wash., for piping and accessories, coal bunkers, structural steel foundations, induced draft fans and miscellaneous work in connection with installation of new equipment in power plant at Navy Yard. Noted Oct. 25.

Ill., McLeansboro—Post Office — Until Nov. 29, by J. A. Wetmore, superv. archt., treas. dept., Wash.

Cal., San Francisco — Dredging — Until Nov. 19, by U. S. Engr. Office, 405 Custom House, San Francisco, dredging in Stockton Channel.

Cal., San Francisco — Steel Pipe — Until Nov. 22, by U. S. Engr. Office, 405 Custom House, furnishing 20-in. nominal diameter steel pipe, etc.

Cal., Mare Island—(Vallejo P. O.)—Addition to Boiler Shop—Until Nov. 26, at Navy Yard, Mare Island, building addition to boiler shop, Building No. 122.

Cal., Mare Island—(Vallejo, P. O.)—Incinerator—Until Dec. 3, at Navy Yard, Mare Island, building at marine barracks, Navy Yard; Specification No. 2619.

Cuba., Guantanamo—Foam Fire Protection—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash. About $65,000.

Federal Government Work (Continued)

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

R. I., Newport — Extension to General Storehouse—Bureau Yards and Docks, Navy Dept., Wash., received low bids (work complete), from Darling Slade Constr. Co., Contractors Bridge, Newport, $88,151; J. Herndon, Worcester, Mass., $89,995; Whitney Co., 101 Park Ave., New York City, $90,500.

★**R. I., Newport**—Power Plant and Torpedo Station—Bureau Yards and Docks, Navy Dept., Wash., let contract to Westinghouse, Church, Kerr Co., 37 Wall St., New York City, $850,000.

★**R. I., Newport** — Wharf, etc. — Bureau Yards and Docks, Navy Dept., Wash., let contract building at Block Island, to T. A. Scott Co., Inc., 292 Pequot Ave., New London, Conn., $4850.

Conn., New London—Power House and Machine Shop—Bureau Yards and Docks, Navy Dept., Wash., received low bids, building at Naval Station (work complete), from R. H. Arnold, Wash., D. C., $186,915; Casper Ranger Constr. Co., Holyoke, Mass., $195,578; W. H. Fissell, 1328 Bway., New York City, $205,000.

★**Conn., New London**—Torpedo Shop and Storage—Bureau Yards and Docks, Navy Dept., Wash., let contract building at submarine base to M. F. Kelley, 51 East 42nd St., New York City, $35,000. Noted Oct. 25.

N. Y., New York — Changes to Custom House—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids, from Dunn & Sheridan, 168 East 32nd St., $68,100; J. M. Knopp, 544 West 43rd St., $71,554; N. B. Smythe, New York, $74,998.

★**Pa., Phila.**—Electric System — Bureau Yards and Docks, Navy Dept., Wash., let contract electric system in foundry and machine shop, to Commercial Eng. Co., 1526 Sansom St., Phila., $26,919. Noted Nov. 1.

Pa., Phila.—Marine Barracks — Bureau Yards and Docks, Navy Dept., Wash., received low bids, (a) net price, (b) if building is increased in size in accordance with alternative drawings No. 323-28 to 323-30, inclusive, from Price Constr. Co., 210 Maryland Trust Bldg., Baltimore, (a) $227,000, (b) $239,000; W. W. Austine Co., Phila., (a) $237,814, (b) $245,187; W. R. Dougherty, 1608 Sansom St., (a) $238,441, (b) $246,329. Noted Oct. 18.

Pa., Phila.—Tank and Tower—Bureau Yards and Docks, Navy Dept., Wash., received low bid building steel water tank and tower (work complete), from Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, $24,650. Noted Oct. 25.

★**Wash., D. C.**—Cold Storage and Ice Manufacturing Plant—Bureau Yards and Docks, Navy Dept., Wash., let contract building at Hampton Roads, Va., to Cramp & Co., 329-35 South Broad St., Phila. Cost plus per cent.

★**Wash., D. C.**—Heating System—Bureau Yards and Docks, Navy Dept., Wash., let contract heating system for gun shop, to Mathis Bros. Co., Chicago, $48,100.

★**Wash., D. C.**—Machine Shop—Bureau Yards and Docks, Navy Dept., Wash., let contract building at Navy Yard, to Industrial Eng. Co., 30 Church St., New York City, $937,655. Noted Nov. 1.

★**Wash., D. C.**—Retaining Wall—Bureau Yards and Docks, Navy Dept., Wash., let contract building at Naval Hospital to J. W. Earley, 2131 G St., $33,730. Noted Oct. 18.

Wash., D. C.—Storage Plants for Fuel Oil—Bureau Yards and Docks, Navy Dept., received low bids building at various Navy Yards, Specification No. 2562, as follows:

San Diego, Cal.—General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis., (6) $86,900, (7) $86,000, (8) $8900; J. W. Danforth Co., 70 Ellicott Sq., Buffalo, N. Y., (6) $170,786, (7) $73,974, (8) $6000; Connors Bros. Co., Inc., 64 West 88th St., New York City, (6) $120,000, (7) $126,000, (8) $5000.

Pearl Harbor, T. H.—J. W. Danforth Co., 70 Ellicott Sq., Buffalo, N. Y., (5) $56,772, (6) $344,893, (7) $143,000 (8) $12,500; Connor Bros. Co., Inc., 64 West 88th St., New York City, (5) $70,000, (6) $245,000, (7) $204,000, (8) $9500.

Puget Sound, Wash.—Connors Bros. Co., 64 West 88th St., New York City, (5) $40,000, (6) $109,000, (7) $90,000, (8) $6000; General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis., (6) $76,450, (7) $102,981, (8) $9500; J. W. Danforth Co., 70 Ellicott Sq., Buffalo, N. Y., (6) $162,314, (7) $101,900, (8) $6900.

Mare Island, Cal.—Connors Bros. Co., Inc., 64 West 88th St., New York City, (6) $120,000, (7) $137,000, (8) $7000; General Heating & Ventilating Co., 198 Milwaukee St., Milwaukee, Wis., (6) $87,800, (7) $118,600, (8) $9950.

Wash., D. C.—Structural Steel—Bureau Yards and Docks, Navy Dept., Wash., received low bids structural steel for seaplane hangar, Hampton Roads, Va., Specification No. 2668, from Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., (a) $16,139, (b) $31,750, (c) $12,510, (d) $24,462; Richmond Structural Steel Co., 17th and Dock Sts., Richmond, Va., (a) $20,081, (b) $29,348, (c) $17,158, (d) $23,184; Klein Iron Wks. Co., Bellevue, O., (a) $24,697, (b) $48,500, (c) $19,297, (d) $37,850. Noted Nov. 1.

Va., Norfolk—Capstans — Bureau Yards and Docks, Navy Dept., Wash., received low bid (a) work complete, (b) alternate, from American Eng. Co., Aramango Ave. and East Cumberland St., (a) $21,000, (b) $21,800.

Va., Norfolk—Steel Tower—Bureau Yards and Docks, Navy Dept., Wash., received low bids building 200-ft. steel tower and taking down and strengthening and rebuilding existing 200-ft. steel tower at Navy Yard, from Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, $21,350; J. E. Ogden, 147 Cedar St., New York, $23,051. Noted Oct. 25.

★**Va., Port Royal**—Repairs to Wharf—Bureau Yards and Docks, Navy Dept., Wash., let contract, to P. D. Hay, 29 Bee St., Charleston, S. C., $7500.

★**W. Va., Charleston** — Electric Power Distributing System — Bureau Yards and Docks, Navy Dept., Wash., let contract to G. E. Eng. Co., Inc., 417 Canal St., New York City, $26,711.

★**W. Va., Charleston**—Sewerage System —Bureau Yards and Docks, Navy Dept., Wash., let contract installing at Naval Sta., to Warren-Moore & Co., Columbia Trust Bldg., Phila., $13,887. Noted Nov. 1.

N. C., Burlington—Post Office—J. A. Wetmore, superv. archt., treas. dept., Wash., received low bids Nov. 5, from W. H. Stillwell, Savannah, Ga., $55,208; A. Blair, Hill Bldg., Montgomery, Ala., $55,426; J. N. Boston, Marion, Ky., $55,722. Noted Oct. 4.

★**S. C., Charleston** — Steel Towers—Bureau Yards and Docks, Navy Dept., Wash., let contract building 300 ft. steel tower and reinforcing 3 existing steel towers at Navy Yard, to Aetna Steel Products Co., 30 Church St., New York City, $22,450. Noted Oct. 25.

★**Fla., Miami**—Dredging and Filling—Bureau Yards and Docks, Navy Dept., Wash., let contract to Bowers Southern Dredging Co., Miami. About $50,000. Noted Oct. 25.

N. D., Elbowoods—Building — C. Sells, comr. Indian Affairs, Wash., D. C., received low bid from Johnston Constr. Co., Fargo, N. D., $14,086. Noted Oct. 18.

★**Wash., Puget Sound**—(Bremerton P. O.) —Air Cooled Refuse Burner—Bureau Yards and Docks, Navy Dept., Wash., let contract, to Seattle Boiler Works, 1132 West 45th St., Seattle, $8990.

★**Cal., Mare Island**—(Vallejo, P. O.)— Ice Making and Refrigerating Plant—Bureau Yards and Docks, Navy Dept., Wash., let contract to Vulcan Iron Wks., 1849 Kearny St., San Francisco, $23,850.

Cal., Mare Island—(Vallejo P. O.)—Bureau Yards and Docks, Navy Dept., Wash., received low bids building structures for submarine base, Specification No. 2660, from Clinton Constr. Co., 140 Townsend St., San Francisco, (a) $86,250, 90 days, (b) $10,900, 5 days, (c) $26,500, (d) $5250; H. J. & C. Christensen, 565 16th St., Oakland, (a) $89,000, 100 days, (b) $500, (c) $34,200, 10 days, (d) $4840; Tibbetts Pacific Co., 16 California St., San Francisco, (a) $93,900, 90 days, (b) $15,600, 10 days, (c) $22,500, (d) $4900. Noted Oct. 25.

★**P. R., El Cayey** — Building — Bureau Yards and Docks, Navy Dept., Wash., let contract (work complete) to Hamilton & Chambers, 29 Bway., New York City, $79,780. Noted Nov. 1.

MISCELLANEOUS

Proposed Work

Fire Escapes—Dover, N. J.—(Official)— Bd. Educ., at Northside School, rejected bids opened Oct. 30, for fire escapes and alterations to South Side School. C. H. Benedict, secy. Noted Oct. 18.

Park Improvements—Passaic, N. J.—City plans to spend $15,000 to improve public parks. Colvin R. Wise, city engr.

Shipping Terminal—South Amboy, N. J.—State Bd. Commerce and Navigation plans to build shipping terminals on Raritan River, near South Amboy. J. S. Smith, state house, pres.

Pier—Chester, Pa.—Federal Steel Foundry Co., Delaware and Reaney Sts., applied to Bd. Comrs. of Navigation for permission to build new pier on Delaware River, near Reaney St.

Amusement Park — Taylorsville, Pa. — City plans to build on Delaware River. About $25,000.

Subway—Wesleyville, Pa.—Pub. Serv. Comn. issued order for abolition of grade crossings, by building subway. New York Central R.R. (G. W. Kittredge ch. engr.), New York, will appropriate $111,707 toward cost; New York, Chicago, & St. Louis R.R. (E. E. Hart, ch. engr.) Cleveland, $25,162; East Erie Commercial R.R., $73,542; Erie Co., $15,000; Mill Creek Twp., $10,000, and Wesleyville, $2500.

Dry Dock—Tampa, Fla.—Tampa Dock Co., Tampa, plans to build new sectional floating dry dock, 4000-ton capacity. About $600,000.

Subway—Ashtabula, O.—(Official)—City voted $140,000 bonds to build subway at Center St. Cost, $401,700. New York Central R.R., (G. W. Kittredge, ch. engr.), Grand Central Terminal, New York City and Pennsylvania Lines West of Pittsburgh, (T. Rodd, ch. engr., Pittsburgh), will appropriate 65% of cost. L. A. Amsden, city engr. Noted Oct. 4.

Levees—Modale, Ia.—Utman Farm Co. plans to spend $40,000 to build levees on Crow Island, southwest of Modale, to protect 1500 acres farm and pasture lands from backwaters of Missouri and Soldier Rivers.

Dam—Grand Junction, Colo.—Dirs. Redlands Power & Irrigation Co., 60 Wall St., New York City, plan to build rein.-con. dam to replace present wooden structure at Redlands, near Grand Junction. F. L. Lucas, pres.

Subway—Portland, Ore.—City plans to build, at intersection of 11th St. P. H. Dater, city engr.

BIDS DESIRED

Dam—Barstow, Tex. — See "Excavation and Dredging."

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Duct Line—New York, N. Y.—Pub. Serv. Comn. received low bids duct line for 7th Ave-Lexington Ave. Rapid Transit R.R., consisting of 32 ducts extending under Westchester Ave. and Bronx River (Bronx Boro.), from Underpinning & Foundation Co., 290 Bway., $47,113; 198 Bway. Constr. Co., 4925 Bway., $50,250; H. E. Fox Constr. Co., 81 East 125 St., $54,570. Noted Oct. 25.

Playground—New York, N. Y.—Dept. Parks received low bids improving playground on west side of 1st Ave., from 67th to 68th St., from T. Crimmins Contg. Co., 444 East 69th St., $19,999; F. Del Balso, 1481 Hoe Ave., Bronx, $20,116; Natl. Excav. & Foundation Co., 103 Park Ave., $21,998. Noted June 14.

★**Coal Bunkers — Rochester N. Y.** — Rochester Ry. & Light Co., 34 Clinton St., let contract to Turner Constr. Co., 242 Madison Ave., New York City, $75,000.

★**Piers—Baltimore, Md.**—Baltimore & Ohio R.R. let contract rebuilding Piers Nos. 8 and 9, 150 x 950 ft., to McLean Contg. Co., foot East Fort Ave., and Empire Eng. Co., 723 Munsey Bldg.

★**Flume—Bozeman, Mont.**—Gallatin Co. let contract building rein.-con. flume on high line canal to D. Anderson, Bozeman, $24,750.

★**Incinerating Plant—Kansas City, Mo.** —(Official)—City let contract Grand Ave. and Missouri River Front, to Decarie Incinerator Co., c/o Kansas City Eng. Co., Scarritt Bldg., $129,957.

★**Gas Tank—Fresno, Cal.**—Pacific Gas & Electric Co. let contract to Duncanson-Harrelson Co., Chronicle Bldg., San Francisco, $34,980.

Seawall, etc.—Long Beach, Cal.—City Council received only bid building combined rein.-con. sea wall, sidewalk, center wall, end walls, staps, lighting standards, sheridized conduits and vitr. pipe sewers on Seaside Blvd., from Mercereau Bridge & Constr. Co., Pacific Electric Bldg., Los Angeles, $76,400. Noted Sept. 20.

★**Toe Wall, etc.—Sacramento, Cal.**—San Joaquin D.D. let contract building timber toe wall, also for material except cement, to build 4-in. plain concrete revetment, to Duncanson-Harrelson Co., Chronicle Bldg., San Francisco, $20,451.

Industrial Work (Continued)

O., Akron—Ohio Ware Goods Mfg. Co., has increased its capital stock from $100,000 to $500,000, and plans to build an addition to plant.

O., Bedford—Owen Tire & Rubber Co., 1900 Euclid Bldg., Cleveland, soon receives bids for 1- and 2-story factory and power house. About $125,000.

O., Cleveland—Wicklow Constr. Co., 700 Marshall Bldg., having plans prepared for 146 x 165-ft. garage, St. Clair and Ontario Sts. About $250,000.

O., Cleveland—Willard Storage Battery Co., 131st St. and St. Clair Ave., had plans prepared by E. D. Kreech, engr., for lumber and storage building. About $150,000.

O., Cleveland—Youngstown Pressed Steel Co., recently organized with $1,000,000 capital stock, purchased plant of Sharon Steel Hoop Co. and its subsidiary, Youngstown Iron & Steel Co., and plans to build addition to same. G. F. Danielson, pres.

O., Cincinnati — (Oakley) — Cincinnati Bickford Tool Co., South St., plans addition to factory here. About $40,000.

O., Columbus—Blue Valley Creamery Co., 700 South Clinton St., Chicago, plans to build factory here. About $50,000.

O., Youngstown — Youngstown Pressed Steel Co., recently organized with $1,000,000 capital stock, has taken over fabricating department of Youngstown Iron & Steel Co., Wilson Ave. and Sharon Steel Hook Co. The new company will erect new plant along more extended lines. W. W. Galbreath of General Fireproofing Co., pres.

nd., East Chicago—George Lember Co., ..th St. and Todd Ave., will build 2-story, x 143-ft. pattern shop and storage building. About $25,000. W. F. Branitsky, 64 West Randolph St., Chicago, archt.

Ind., Ft. Wayne—Supreme Motor Corp., 218 Union Bldg., Cleveland, plans 1-story, 100 x 400-ft. factory here. A. M. Allen Co., Euclid Bldg., Cleveland, O., archts.

Ind., Greencastle — Indiana Portland Cement Co., recently organized with $1,000,000 capital stock having plans prepared by F. L. Smith engr., 50 Church St., New York City, for cement factory near Greene-Castle Putnamville Highway.

Ind., Hammond—Keith Ry. Equipment Co., 1353 Peoples Gas Bldg., Chicago, purchased 35-acre site here and plans to build plant.

Mich., Battle Creek—Armour Grain Co., 208 South La Salle St., Chicago, soon lets contract 5-story, 68 x 155 ft., packing house. About $200,000. M. J. Morehouse, 343 So. Dearborn St., Chicago, archt.

Mich., Detroit—Detroit, Toledo & Ironton R.R. (T. Groner, Springfield, O., ch. engr.) and Grand Trunk R.R. (H. F. Safford, Montreal, Que., ch. engr.), purchased 76-acre site in down river section and plans to build freight terminals. About $1,000,000.

Mich., Detroit—C. R. Wilson Body Co. had plans prepared by Murphy & Hanford, archts., 206 New Telegraph Bldg., for 1-story plant, involving 3 units. About $150,000.

Ill., Blue Island—American Wire Fabrics Co., 201 South La Salle St., Chicago, having plans prepared by F. D. Chase, archt., 122 South Michigan Ave., Chicago, for factory. About $200,000. C. K. Anderson, secy.

Ill., Chicago—L. Bromberg, 1337 North Oakley Ave., soon lets contract 1-story, 75 x 125-ft. garage. About $30,000. A. L. Himelblau, 179 West Washington St., archt.

Ill., Chicago—Central Waxed Paper Co., 5700 Filmore Ave., plans addition to plant. About $75,000.

Ill., Chicago—Chicago & Northwestern R.R. plans car-repair shop at Washtenaw and Austin Ave. About $25,000. W. H. Finley, Chicago, ch. engr.

Ill., Chicago—G. M. Davis Regulator Co. purchased site on 25th St. and Washtenaw Ave., and plans factory factory. About $75,000. F. D. Chase, Chicago, engr.

Ill., Chicago — International Harvester Co., 606 South Michigan Ave., plans 3-story factory, 2600 West 31st St. About $175,000.

Ill., Chicago—S. K. Stewart Mfg. Co. purchased site of land adjoining present works and plans addition. About $225,000. S. N. Crowen, 30 North La Salle St., archt.

Ill., East St. Louis—Durbin Automatic Train Pipe Conductor Co., Pontiac Bldg., plans 265 x 605-ft. factory, Bond Ave. between 20th and 21st Sts. About $150,000.

Ill., East St. Louis—East St. Louis Chemical Co. having plans prepared by Westinghouse, Church & Kerr, archts., 37 Wall St., New York City, 2-story, 500 x 700-ft. mill and warehouse.

Wis., Appleton—Northern Boiler and Structural Wks., Appleton, soon lets contract 1-story, 100 x 150-ft. addition to machine shop. Cost between $30,000 and $40,000.

Wis., Eau Claire—United States Switch Co., Eau Claire, recently organized with $1,750,000 capital stock, soon lets contract 60 x 130-ft. forge-shop addition. T. C. Hadley, genl. mgr.

Wis., Milwaukee—Milwaukee Forge and Machine Co., 224 Lake St., purchased 5-acre site at Oklahoma Ave., Manitoba St. and Chicago Northwestern R.R., and plans 75 x 150-ft. forge shop and 65 x 100-ft. machine shop. About $100,000. G. P. Pillar, pres.

Wis., Watertown—O. Biefeld Co. soon lets contract for foundry and machine-shop addition here. About $40,000. M. Liefeld, secy.

Wis., Waupun—Libby, McNeil & Libby, Union Stock Yards, Chicago, plans 1-story, 150 x 250-ft. box factory. About $100,000.

Ia., Burlington—Murray Iron Wks. Co. plans 2-story, 77 x 105-ft. steel and rein.-con. addition to plant here.

Minn., Duluth—Zenith Furnace Co., 58th Ave., West Duluth, plans to build machine shop and storage building. About $50,000.

Neb., Omaha—Myers & Laier, 424 Omaha Natl. Bank Bldg., having plans prepared by Latenser & Sons, archts., 632 Bee Bldg., 7-story, 132 x 132 ft. warehouse. About $250,000.

Neb., Omaha—Nebraska Buick Auto Co., 1912-16 Farnam St., plans 4 story addition to factory. L. Huff, mgr.

Mont., Moore—Montana Power Co., Butte, plans to build large hydro-electric power plant at foot Mystic Falls. F. M. Kear, Butte, genl. supt.

Mo., Kansas City—Atlas Cereal Co., 8th and Santa Fe Sts., plans new mill here. About $150,000.

Mo., Kansas City—Oxygen Gas Co., Traders Bldg., soon lets contract 1-story, 44 x 102-ft. factory. About $60,000. Keene & Simpson, 400 Reliance Bldg., archts.

Tex., Dallas—Perkins Dry Goods Co., 71014 Commerce St., plans 8 story factory, Commerce, Austin, Young and Market Sts. L. H. Lewis, genl. mgr.

Tex., Donna—La Blanca Sugar Co., recently incorporated with $500,000 capital stock, plans sugar mill near here. J. C. McDowell, Oil & Gas Farmers' Bank Bldg., Pittsburgh, Pa., pres.

Okla., Miami—Delta Mining Co., Kennedy Bldg., recently organized, plans concentrating plant and mill. About $75,000. W. E. Templeman, 816 Kennedy Bldg., pres.

Utah, Marysvale—Mineral Products Co. plans to rebuild potash plant, recently destroyed by fire. About $150,000. Howard S. Chappell, pres.

Wash., Seattle—Boering Aëroplane Co., Hoge Bldg., plans 2-story, 84 x 88-ft. machine shop and office building.

Wash., Seattle—Puget Sound Machinery Depot, 318 1st Ave., plans new factory here. About $1,000,000.

Wash., Seattle—Skinner & Eddy Shipbuilding Co., 1559 Railroad Ave., S., having plans prepared for 60 x 150-ft. foundry, shipways, power house and punch shops. About $1,000,000.

Wash., Tacoma—St. Paul & Tacoma Lumber Co., Tide Flats, plans to build sawmill. About $80,000.

Cal., Oakland—American Can Co., Mills Bldg., secured site of land and plans several additions to plant. About $1,000,000.

N. S., Bridgewater—Gray Marine Motor Co. plans to build plant here. About $50,000.

N. S., Comeauville—Comeau Shipbuilding Co., Ltd., plans shipbuilding plant. About $100,000. E. L. Comeau, secy.-treas.

N. S., Dartmouth—Canadian Carbonate Co., 132 Hollis St., Halifax, plans factory here. About $40,000.

N. S., New Glasgow—Nova Scotia Steel & Coal Co., Ltd., plans to build additions to factory. About $1,000,000. F. H. Crockard, genl. mgr.

N. S., Saulnierville—Acadian Shipbuilding Co. plans shipbuilding plant here. About $75,000. D. D'Entremont, Meteghan River, secy.-treas.

Que., St. Romauld—Dussault Co., Levis, had plans prepared for machine shop here. About $50,000. M. J. St. Dussault, Wolfe St., Levis, pres.

Ont., Brantford—Dominion Steel Products Co. secured site of land and plans large addition to plant here. About $100,000.

Ont., Fergus—J. Wilson & Sons, St. Andrews St., plans sawmill. About $50,000.

Ont., Hamilton—Frost Wire Fence Co. plans to build addition to plant here. About $25,000.

Ont., Strathroy—Dominion Canners having plans prepared rebuilding 2 story factory recently destroyed by fire. About $100,000.

Ont., Temiskaming—Riordan Pulp & Paper Co., 355 Beaver Hall Sq., Montreal, plans large sulphite mill and paper plant here.

Ont., Toronto—Cluff Bros. Ammunition Co., 28 Atlantic Ave., plans to rebuild its plant recently destroyed by fire. About $200,000.

Ont., Whitby—United Rubber Mfg. Co plans to build factory here. About $50,000.

Man., St. Boniface—Armour & Co., Union Stock Yards, Chicago, Ill., plans to build new meat-packing plant here. About $4,000,000.

B. C., Prince Rupert—S. E. Landry, Vancouver, plans large shipbuilding plant here. About $250,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., New York**—Adams Express Co., 61 Bway., let contract 1-story, 50 x 150-ft., and 21 x 100 ft. transportation building, to J. O'Dell Whitenack, 231 West 18th St., $70,000.

★**N. Y., New York**—New Jersey Zinc Co., 55 Wall St., let contract for laboratory, to H. M. Krumbhaar, 68 William St., $200,000.

★**N. Y., Rochester**—Bridgeford Machine Tool Co., Winton Rd., let contract building addition to factory, to Crowell, Lundoff & Little, Museum Bldg., Cleveland, O., about $50,000.

★**N. J., Fords**—National Synthetic Co., Fords, let contract 1- and 2-story, 38 x 260-ft., 54 x 84-ft., and 50 x 76-ft. additions, to Tullis & Blanchard, 326 East 42nd St., New York City, $75,000.

★**N. J., Newark**—Art Metal Wks., 7 Mulberry St., let contract addition to factory to W. Nairn, 207 Maple Ave., Kearney, $25,000.

★**N. J., Newark**—Ferry Hat Mfg. Co., 329 North 5th St., let contract 3-story, 37 x 120-ft. addition to plant, to Miller & Sons Co., 441 East Orange St. About $33,000.

★**Pa., Eddystone**—Baldwin Locomotive Works, 500 North Broad St., Phila., let contract 1-story, brick, steel and concrete erecting shop at local plant, to F. W. Mark Constr. Co., Finance Bldg., Phila. About $500,000.

★**Pa., Erie**—Erie Forge & Mfg. Co., 15th and Cascade Sts., let contract factory outside of city limits, to J. R. Gloyd, Hippodrome Bldg., Cleveland. About $2,000,000. Noted Nov. 8.

★**Pa., Phila.**—White Motor Car Co., 842 East 79th St., Cleveland, let contract 1- and 2-story, 210 x 270-ft. auto service building, 20th and Erie Aves., to F. Shoemaker, Juniper and Walnut Sts. About $300,000. Noted Oct. 18.

★**Pa., Phila.**—W. T. White, 20th and Erie Aves., let contract 1-story, 215 x 253-ft. machine shop to Watson Eng. Co., 216 North Broad St., $130,000.

★**Md., Baltimore**—Bartlett-Hayward Co., Scott and McHenry Sts., let contract 1-story, 160 x 380-ft. factory, Gunpowder and Hamburg Sts., to Morrow Bros., 1201 Fidelity Bldg., $79,500.

★**Md., Baltimore**—Chesapeake Iron Wks., Westport, let contract, 1-story, 40 x 210 ft. erecting shop, to B. F. Bennett Bldg. Co., 123 South Howard St., about $150,000. Noted Nov. 8.

★**Md., Baltimore**—Poole Eng. Co., West of N. C. Ry. and north of Padonia Sta., let contract 150 x 500 ft. gun factory, to H. D. Watts Co., Garrett Bldg. About $2,000,000. Noted Oct. 11.

★**Va., Newport News**—Newport News & Hampton Ry. let contract 1-story, 40 x 100-ft. freight house, to Harwood & Moss, Sibley Bldg., $74,000.

Industrial Work (Continued)

★**Va., Richmond**—Kingan & Co. let contract 3-story packing plant to J. T. Wilson & Co., 22nd and Cary St. About $70,000. Noted Aug. 30.

★**O., Cleveland**—Parish & Bingham Co., West 106th St. and Madison Ave., let contract machine shop, dye and storage building, to W. I. Thompson & Son Co., 6110 Euclid Ave., $100,000.

★**O., Cleveland** — Pipe Machinery Co., 4907 Mead Ave., let contract 1-story, 60 x 100-ft. brick factory, Mead and Mumford Sts., to W. Dunbar Co., 8201 Cedar Ave., $30,000. Noted Nov. 8.

★**O., Niles** — Engel Niles Aircraft Co., Niles, let contract factory, to Hunkin Conkey Constr. Co., Cuyahoga Bldg., Cleveland, $30,000.

★**Mich., Detroit** — Wells Fargo Express Co., 612 Ford Bldg., let contract 2-story, 116 x 130 ft.-warehouse, to I. Misch Constr. Co., 701 East Grand Blvd.

★**Ill., Champaign**—Illinois Central R.R., 135 East 11th St., Chicago, let contract 1- and 2-story, 30 x 47 ft. and 40 x 253 ft. freight depot and boiler room, to A. W. Stoolman, 212 East Armory St., $50,000.

★**Ill., Chicago** — D. C. Cook, 15 East Washington St., let contract 5-story factory and warehouse, Michigan and South Water Sts., to E. L. Archibald Co., 11 West Washington St., $100,000.

★**Wis., Madison**—Four Lakes Ordnance Co., organized by interests owning Steinle Turret Machine Co., 2305 Waubesa St., let contract 1-story, 150 x 500-ft. steel, brick and rein.-con. factory, to Austin Co., 14230 Euclid Ave., Cleveland, O. Noted Nov. 8.

★**Mo., Kansas City** — Belfast Co., Inc., c/o W. S. Dickey, New York Life Bldg., let contract 1-story, 96 x 912 ft. warehouse, to Smith & Wodling, 302 Reliance Bldg., $40,000.

★**Colo., Rocky Ford**—American Beet Sugar Co. let contract for factory to C. A. Dalgren, La Junta, $60,000.

★**Que., Cap de Madeleine**—Canada Steamship Lines, 9 Victoria Sq., Montreal, let contract building 2 shipyards to England Constr. Co., $100,000. Noted Nov. 1.

★**Que., Montreal**—A. R. Whittall Can Co., Ltd., 740 Mullins St., let contract addition to factory. E. Carrigan, 318 Ballantyne Ave., N. About $25,000.

★**Ont., Hamilton**—Frost Wire Fence Co., Sherman Ave., let contract addition to G. Frid Constr. Co., Bank of Hamilton Bldg., $25,000. Noted Nov. 15.

★**Sask., Saskatoon**—J. H. Early, 1st and 23rd Sts., let contract cold-storage plant, to A. W. Cassidy & Co., 332 1st St., N., $150,000.

BUILDINGS

Proposed Work

Mass., Boston—(Roxbury)—Hospital—B. P. O. E. plan, on Parker Hill. About $250,000.

Mass., Worcester—School—St. Peters' Church plans, 135 x 135-ft., brick, Main and Ripley Sts. About $125,000. J. W. Donahue, 476 Main St., Springfield, archt.

Conn., Hartford—Fire Héadquarters — City having plans prepared by B. S. Clark, archt., 747 Main St., 3-story, 50 x 90 ft. About $100,000. H. B. Clark, pres. fire comrs.

Conn., Hartford — Jail — Hartford Co. plans, brick and steel. About $700,000.

Conn., Waterbury—Y. M. C. A. plans to build new on Old Baptist Church property. About $110,520.

N. Y., Brooklyn—School—Bd. Educ. plans new brick and stone addition, on Howard Ave. About $275,000.

N. Y., Hobart—High School—Bd. Educ. plans, 2-story. About $65,000.

N. Y., Kingston—Theater—S. Berenstein, 173 Pearl St. and A. Cohen, 225 Hurley Ave., representing syndicate having plans prepared by G. W. Betz, archt., 61 John St., for 2-story, 80 x 120-ft. brick and rein.-con., on Wall St. About $125,000.

N. Y., New York—Home—A. Freeman Foundation Home for Aged Men and Women, having preliminary plans prepared by J. H. Freedlander, archt., 681 Fifth Ave., and H. A. Jacobs, associate archt., 320 Fifth Ave., to be built at Grand Blvd. and Concourse, 166th to 167th Sts. About $350,000. S. Untermeyer, pres.

N. Y., New York—Hospital—Beth Israel Hospital, 70 Jefferson St., having plans prepared altering 7-story apartment house, Livingston Pl. and East 17th St., to be used for hospital purposes in connection with new 16-story building, which will represent an expenditure of about $1,000,000. Present project to cost about $85,000. L. A. Abramson, 220 5th Ave., archt.

N. Y., New Rochelle — Theater — E. F. Rush, 127 West 48th St., New York City, having plans prepared by De Rose & Pereira, archts., 150 Nassau St., New York City, 2-story, terra cotta. About $150,000.

N. J., Newark—School—Bd. Educ. had plans prepared by L. Sonntag, archt., City Hall, 3-story, brick, Hawkins St. About $250,000. F. H. Somner, secy.

N. J., Orange—Hospital—New Jersey Orthopaedic Hospital, Lincoln Ave. and Frankfort St. plans. About $90,000.

N. J., Red Bank—Office—See "Industrial Works."

N. J., West New York — School — Bd. Educ. having plans prepared by W. Mayer, Jr., and E. Manahan, 711 Bergenline Ave., archts., 3-story, 115 x 190-ft. brick and terra cotta, Madison to Polk Sts. About $225,000. H. G. Auf der Heide, pres.

Pa., Altoona—Y. W. C. A. having plans prepared by J. F. Schollar, archt., Altoona Trust Bldg., 3 story, 36 x 50 ft. addition to building. About $50,000. C. T. Witherow, 1540 12th Ave., secy.

Va., Richmond—School—Union Theological Seminary, Brock and Westwood Aves., Genter Park, plans 1-story. About $50,000, Nolan & Baskerville, Travelers Insurance Bldg., archts.

Ga., Atlanta — Hospital — Scottish Rite Hospital for Crippled Children plans. About $67,500. Hentz, Reid & Adler, Atlanta, archts.

O., Akron—Hotel—Park Hotel Co., Ohio Bldg., soon lets contract, 8-story, 95 x 115 ft. About $300,000. Mills & Millspaugh Co., 2nd Natl. Bank Bldg., archts. Noted Sept. 27.

O., East Akron—High School—Bd. Educ. soon lets contract. About $250,000. T. Ralph, Ridley Cottage Pl., Akron, archt.

Wash., Seattle—Office—See "Industrial Works."

BIDS DESIRED

Conn., Hartford—School—Until Nov. 19, by Bd. Educ., 48 x 79 ft. and 34 x 84 ft. additions. About $75,000. Chilton & McMahon, 36 Pearl St., archts. Noted Sept. 13.

Conn., Storrs—(Eagleville P. O.)—Infirmary, Dining Hall, Etc.—Until Nov. 18, by State Agricultural College, 1-story, 98 x 115-ft. dining hall, 1-story, 28 x 48-ft. infirmary, and 2-story cottages. About $100,000. Unkelbach & Perry, 16 Main St., New Britain, archts. Noted Nov. 8.

Pa., Johnstown—School—Until Nov. 19, by Bd. Educ. About $1,000,000. H. F. Hornbostle, 63 William St., New York City, archt.

O. Cleveland—School — (Official) — Until Nov. 19, Bd. Educ., Rockwell Ave. and East 6th St., for addition Rice School. F. G. Hogan, dir. of schools.

Ia., Straham—School—Until Nov. 30, by Bd. Educ., 2 story, 82 x 86 ft., cut stone, rein.-con. and terra cotta. About $50,000. H. H. Kayton, secy. W. F. Gernandt, 437 Keeline Bldg., archt.

Wash., Olympia—Temple—Until Dec. 3, by State Capitol Comn., Olympia. About $350,000. Wilder & White, 50 Church St., New York City, archts. Noted Oct. 11.

Ont., Barrie—Institute — Until Nov. 20, by F. Marr, secy. treas. bd. educ., for collegiate institute. Ellis & Ellis, Manning Chambers, archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Mass., Boston—(East Boston)—School—Bd. Educ. received low bids from Murphy Constr. Co., Water St., $124,000, alternate, $122,000; J. Bowen Co., 184 Dudley St., Roxbury, $125,000, alternate, $122,000; F. G. Coburn, 294 Washington St., $128,900, alternate, $126,900.

★**Mass., Cambridge**—High and Latin School—Bd. Educ. let contract addition, to J. B. Bryne, Inc., 162 Syndey St., Cambridge, $54,947. Noted Sept. 20.

★**N. Y., Scarsdale**—School—Bd. Educ. let contract, 2-story, to Stevenson & Cameron, 37 West 25th St., New York City. About $55,000. Noted Oct. 11.

★**N. Y., Yonkers**—School—Bd. Educ. let contract 2-story, 75 x 98-ft. addition to school No. 14, to T. & C. Miller Bros., 244 Riverdale Ave., $70,000. Noted Nov. 1.

★**Pa., Ashland**—School—Bd. Educ. let contract, 1-story, to A. L. Fretz & Son, 1222 Chancellor St., Phila., $112,000.

★**Pa., Bloomsburg**—Bank and Office—Columbia Co. Trust Co. let contract, 4-story, 24 x 120-ft., to E. H. Sheets, Ritter Bldg., Huntington, W. Va.

★**O., Cleveland** — Hotel — D. M. Mayer, Peoria, Ill., let contract, 7-story, concrete, on East 9th St. to W. F. Hyde Constr. Co., 1008 Scoville Ave. About $100,000.

O., Cleveland Heights — (Warrensville P. O.)—School—Bd. Educ. received low bid from H. R. Evans & Co., 1005 Columbus Savings & Trust Bldg., Columbus; about $175,805. Noted Sept. 13.

★**Ill., Chicago** — Hospital — Comr. Pub. Wks. let contract addition, to J. Griffiths & Sons, 112 West Adams St. About $374,900.

★**Minn., Riverton**—School—Bd. Educ. let contract, 2-story, 85 x 160 ft., to J. C. Nelson & Son, 17 South 6th St., Minneapolis. $115,000. Noted June 7.

★**Kan., Abilene**—High School—Bd. Educ. let contract, 3-story, brick and rein.-con., to Otto Peterson, Salina. About $90,000. Noted Oct. 4.

★**Mo., Excelsior Springs**—Hotel—Manitoba Investment Co. let contract, 5-story, brick, terra cotta, concrete and hollow tile, to Rayburn-Laird Constr. Co., 609 Waldheim Bldg., Kansas City. $150,000.

★**P. E. I., Charlottetown**—Home—Dominion Government Hospital Comn. let contract Soldiers' Convalescent Home, to E. E. Parkman & Son, 13 Euston St., $130,000.

★**Que., Ste Anne de Bellevue**—Hospital—Military Hospitals Comn., Drummond Bldg., Montreal, let contract to E. G. M. Cape & Co., Ltd., 10 Cathcart St., Montreal, $200,000. Noted Oct. 11.

★**B. C., Vancouver** — Depot — Canadian Northern Ry. let contract, to Northern Constr. Co., Ltd., 606 Union Bank Bldg., Winnipeg, Man. About $1,000,000.

FEDERAL GOVERNMENT WORK

Proposed Work

N. J., Little Silver — Buildings — War Dept., Signal Corps, Wash., D. C. soon lets contract for buildings in connection with additional supply depot, Camp Alfred Vail. About $250,000.

Pa., Ft. Mifflin—Buildings—Bureau Yards and Docks, Navy Dept., Wash., plans to build addition to Building No. 62, also new steel building; Specification No. 2704. About $15,000.

Colo., Towaoc—Bridge — C. Wells, comr. Indian Affairs, Wash., D. C., rejected bids opened Nov. 6, building highway bridge, Ute Mountain Indian Reservation. Noted Oct. 18.

Cal., San Diego—Buildings—War Dept., Signal Corps, Wash., D. C., soon lets contract for buildings at Rockwell Aviation Field.

BIDS DESIRED

Pa., Phila.—Heating System—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash., installing heating system in foundry. About $50,000.

S. C., Charleston—Power Plant Improvements—Until Nov. 26, by Bureau Yards and Docks, Navy Dept., Wash., for piping and accessories, coal bunkers, structural steel foundations, induced draft fans and miscellaneous work in connection with installation of new equipment in power plant at Navy Yard. Noted Oct. 25.

Ill., McLeansboro—Post Office — Until Nov. 29, by J. A. Wetmore, superv. archt., treas. dept. Wash.

Cal., San Francisco — Dredging — Until Nov. 19, by U. S. Engr. Office, 405 Custom House, San Francisco, dredging in Stockton Channel

Cal., San Francisco — Steel Pipe — Until Nov. 21, by U. S. Engr. Office, 405 Custom House, furnishing 20-in. nominal diameter steel pipe, etc.

Cal., Mare Island—(Vallejo P. O.)—Addition to Boiler Shop—Until Nov. 26, at Navy Yard, Mare Island, building addition to boiler shop, Building No. 122.

Cal., Mare Island—(Vallejo, P. O.)—Incinerator—Until Dec. 3, at Navy Yard, Mare Island, building at marine barracks, Navy Yard; Specification No. 2619.

Cuba., Guantanamo—Foam Fire Protection—Until Dec. 10, by Bureau Yards and Docks, Navy Dept., Wash. About $65,000.